

City of Cincinnati

All Funds Biennial Budget



Approved 2007/2008 Biennial Budget 2007-2012 Capital Investment Program

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The Government Finance Officers Association of the United States and Canada (GFOA) presented an Award for the Distinguished Budget Presentation to the City of Cincinnati for its annual budget beginning January 1, 2005.

In order to receive this award, a governmental unit must publish a budget document that meets program criteria as a policy document, as an operations guide, as a financial plan and as a communications medium.

The award is valid for a period of one year only. We believe our current biennial budget continues to conform to program requirements, and we are submitting it to GFOA to determine its eligibility for another award.

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The City of Cincinnati's Approved 2007/2008 Biennial Budget volumes are also available via the City of Cincinnati's web site – www.cincinnati-oh.gov. Copies have also been provided to the Cincinnati/Hamilton County Public Library's Main Branch.

**APPROVED 2007/2008 BIENNIAL BUDGET
2007-2012 CAPITAL INVESTMENT PROGRAM
VOLUME 2**

TABLE OF CONTENTS

INTRODUCTION

EXECUTIVE OVERVIEW

Introduction.....	12
Analysis of Available Resources	15
Analysis of Expenditures	19

SUMMARY OF REPORTS

Section 1: Projects by Agency	36
Section 2: Projects by Expenditure Category	44
Section 3: Projects by Neighborhood	51

DEPARTMENTS: SUMMARIES AND APPROVED PROJECT DESCRIPTIONS

Buildings and Inspections.....	69
City Manager	71
Community Development.....	74
Enterprise Services	79
Finance.....	83
Fire.....	86
Health.....	89
Parks	93
Police	95
Public Services.....	98
Recreation	102
Regional Computer Center	106
Sewers.....	111
Transportation and Engineering	188
Water Works.....	214

OPERATING BUDGET IMPACT	280
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City of Cincinnati



INTRODUCTION

This document includes the Approved 2007/2008 Capital Budget for the City of Cincinnati. The Capital Budget, which provides funding for improvements with a useful life of at least five years, includes General Capital projects, Restricted Funds Capital projects, and projects supported with Federal and State Capital Grant Matching Funds. This budget represents the first two years of a six-year Capital Investment Program.

Following this introductory section is the Executive Overview, which is followed by three summary reports: Projects by Agency, Projects by Expenditure Category, and Projects by Neighborhood. An individual section for each departmental 2007-2012 Capital Improvement Program follows the summary reports. The last section of this document, Operating Budget Impact, provides a description of the Capital Budget's impact on the Operating Budget.

Approved Capital Budget – Overview

(In \$ Millions)

Approved All Funds Capital Budget Summary					
	2006	2007	% Change 2006 to 2007	2008	% Change 2007 to 2008
General Capital	\$ 66.0	\$ 79.9	21.1%	\$ 65.0	-18.6%
Restricted Funds Capital	180.2	232.3	28.9%	250.9	8.0%
Federal/State Capital Matching Funds	21.1	25.0	18.5%	4.3	-82.8%
Total All Funds:	\$ 267.3	\$ 337.2	26.2%	\$ 320.2	-5.0%

The All Funds Capital Budget totals \$657.4 million: \$337.2 million for 2007 and \$320.2 million for 2008. When compared to the 2006 All Funds Capital Budget, the 2007 budget increases by 26.2%. In 2008, the budget decreases by 5.0% when compared to 2007. The capital budgets will vary somewhat from year-to-year to reflect the timing of projects and changes in resources.

For 2007, the \$69.9 million net increase over the 2006 All Funds Capital Budget occurs primarily because of the following changes:

- A \$52.1 million net increase in Restricted Funds Capital due to a \$45.5 million increase in Metropolitan Sewer District projects, a \$6.5 million increase in Greater Cincinnati Water Works projects, and a net increase of \$0.1 million in other restricted funds;

2007/2008 Approved Capital Budget

- A General Capital net increase of \$13.9 million due to an increase of \$11.0 million in Income Tax Supported Debt, an increase of \$3.0 million in Property Tax Supported Bonds, and an increase of \$0.3 million in Southern Railway Note Proceeds. These increases are partially offset by a decrease of \$0.2 million in net Income Tax Proceeds and a \$0.3 million reduction in Reprogramming resources; and
- A net increase in Federal and State Capital Grant Matching Funds of \$3.9 million due to fund availability.

The budget decrease of \$17.0 million in 2008 when compared to 2007 is due primarily to the following changes:

- An \$18.5 million net increase in Restricted Funds Capital due to an increase of \$11.5 million in Metropolitan Sewer District projects, an increase of \$7.6 million in Greater Cincinnati Water Works projects, a decrease of \$1.1 million in Stormwater Management Utility projects, and a net increase of \$0.5 million in other restricted funds;
- A net decrease of \$14.8 million in General Capital resources; and
- A net decrease of \$20.7 million in Federal and State Capital Grant Matching Funds due to fund availability.

GENERAL CAPITAL INVESTMENT HIGHLIGHTS

Resources

(In \$ Millions)		
GENERAL CAPITAL RESOURCES		
	2007	2008
City Income Tax (0.15%)	\$ 17.6	\$ 13.2
Property Tax-Supported Bonds	25.0	25.0
Southern Railway Note Proceeds	16.0	16.3
Income Tax Supported Debt	21.0	10.0
Reprogramming	0.3	0.5
Total Resources:	\$ 79.9	\$ 65.0

The 2007/2008 General Capital Budget is balanced to resources, which are illustrated in the table above. For 2007, the estimated General Capital Budget resources total \$79.9 million, while the estimated resources for 2008 total \$65.0 million. General Capital resources include the City Income Tax that is not used to support Income Tax Supported Debt (2007 - \$17.6 million; 2008 - \$13.2 million), Property Tax Supported Bonds (\$25.0 million in 2007 and 2008), Southern Railway Note Proceeds (2007 - \$16.0 million; 2008 - \$16.3 million), Income Tax Supported Debt (2007 - \$21.0 million; 2008 - \$10.0 million), and Reprogramming Resources (2007 - \$0.3 million; 2008 - \$0.5 million).

Expenditures

The following is a list of expenditure highlights in the General Capital Budget.

1. **\$38.3 Million for Street Rehabilitation and Street Improvement Projects** – The General Capital Budget for rehabilitation and improvement of existing streets and roads totals \$18.8 million in 2007 and \$19.5 million in 2008. This includes \$13.0 million and \$13.4 million for the Street Rehabilitation Program in 2007 and 2008, respectively. Over the six-year plan, \$109.6 million is included for street rehabilitation and street improvements, of which \$84.7 million is for the Street Rehabilitation Program. This funding will be supplemented with outside sources, such as County, State, and Federal grant programs to rehabilitate 100 lane miles per year.

Major street reconstruction projects, in addition to Street Rehabilitation, total \$5.7 million in 2007 and \$6.1 million in 2008. In the biennium, reconstruction projects are planned for sections of the following streets: Waldvogel Viaduct, Riverside Drive, Colerain Avenue, Hamilton Avenue, Gilbert Avenue, Red Bank Road, Montana Avenue, and Central Parkway.

In addition to Street Rehabilitation and Street Improvement projects, \$6.7 million is included in the 2007/2008 biennium for annual infrastructure projects that are not related to streets and buildings. This includes the following projects: \$2.2 million for the Bridge Rehabilitation Program; \$2.0 million for the Wall Stabilization and Landslide Correction Program; \$1.0 million for the Sidewalk Repair Program; \$1.0 million for the Spot Infrastructure Program; and \$0.5 million for the Hillside Stairway Rehabilitation Program.

The All Funds Biennial Capital Budget also includes \$24.1 million in 2007 and \$4.3 million in 2008 from State and Federal transportation matching funds. Matching fund projects include improvements to the following streets: 8th Street Viaduct, Waldvogel Viaduct, Hamilton Avenue, Riverside Drive, Colerain Avenue, and Columbia Parkway.

2. **\$25.7 Million to Renovate/Replace City Facilities** – A total of \$12.5 million in 2007 and \$13.2 million in 2008 is included in the General Capital Budget for renovation of existing City-owned facilities. The biennial budget includes \$8.0 million for Recreation facilities, \$7.2 million for Park facilities, and \$722,600 for Health facilities. Upgrades to other City-owned facilities are included at a funding level of \$4.4 million over the biennium and the City Facility Hazard Correction project has been funded at a level of \$150,000 in 2007 and 2008.

The General Capital Budget includes \$2.5 million in both 2007 and 2008 to replace and construct one fire station in each year. In 2007 the College Hill fire station is scheduled to be replaced and the Pleasant Ridge fire station will be replaced in 2008. Over the six-year plan, \$15.0 million is included for the replacement of existing facilities.

3. **\$14.2 Million for Equipment** – The General Capital Budget includes \$6.8 million in 2007 and \$7.4 million in 2008 for equipment. This includes \$12.4 million to replace automotive equipment in agencies supported by the General Fund and \$600,000 for the Fire Equipment Enhancements project. Various other equipment projects totaling \$1.2 million are also included. Over the six-year plan, \$41.8 million is included for equipment.
4. **\$13.9 Million for the Kennedy Connector** – The Kennedy Connector project supports the design and construction of a new street to connect the intersection of Duck Creek Road and Kennedy Avenue with Ridge Avenue. Funding for this project in 2007 is \$12.5 million and in 2008 the funding level is \$1.4 million. This project will improve traffic circulation and support development in the Interstate 71/Red Bank Expressway Corridor. A total of \$6.1 million has been appropriated to this project thus far and the total cost of the project is estimated to be \$25.2 million. Sufficient funding from outside sources is expected to support the remaining project costs.
5. **\$10.9 Million for Economic Development** – The General Capital Budget includes \$6.8 million in 2007 and \$4.1 million in 2008 for economic development initiatives. This includes \$3.0 million in 2007 for one new project titled Economic Development Opportunities, which will provide funding to support development projects that create or retain quality jobs and enhance the City's economic base. The Neighborhood Business District Public Improvements project is included for \$2.9 million over the biennium and \$2.1 million is included for the Retail Commercial Opportunities project. This project helps the City to attract and retain retail and commercial businesses downtown. Various other projects totaling \$2.9 million are included for economic development in 2007 and 2008. Over the six-year plan, support for economic development initiatives totals \$25.1 million.
6. **\$10.2 Million for Market Rate Housing Development Projects** – Support for developing market rate housing throughout the City totals \$6.0 million in 2007 and \$4.2 million in 2008. Over the six-year plan, \$22.5 million is included for this initiative. These funds will be used for construction, site improvements, and infrastructure development at residential construction locations. One new project titled Neighborhood Housing/Commercial Development is included for \$2.0 million in 2007. This project will focus on signature neighborhood housing development projects that are market rate and have a commercial development component. The following table illustrates the total funding for market rate housing.

(In \$ Millions)

MARKET RATE HOUSING			
	2007	2008	Six-Year Plan
Neighborhood Housing/Commercial Dev.	\$ 2.0	\$ -	\$ 2.0
Neighborhood Market Rate Housing	1.3	0.7	6.0
Strategic Housing Initiatives Program	0.8	0.8	5.9
Downtown Housing Development	0.7	0.7	3.9
Citirama	-	0.8	2.3
Special Housing Permanent Imprv. Funds	1.2	1.2	2.4
TOTAL:	\$ 6.0	\$ 4.2	\$ 22.5

7. **\$10.0 Million for the Cincinnati Riverfront Park** – Support for Phase I of the Cincinnati Riverfront Park project is included in the General Capital Budget at a funding level of \$5.0 million in both years of the biennium. Construction is expected to begin in 2007 and Phase I will cover the eastern side of the Park (east of the Roebling Bridge) and will include the Grand Fountain, the Great Grand Lawn, a tree grove, and other elements of the new park.
8. **\$2.6 Million for Information Technology Initiatives and Upgrades** – To continue to support new information technology and upgrades to existing systems, the General Capital Budget includes \$1.3 million in both years of the biennium for information technology initiatives. This includes \$554,300 for the Electronic Government project that will support enhancement of services provided via the Internet for City employees and citizens. Also included is \$260,000 for the replacement of personal computers in the Recreation Department. Over the six-year plan, \$6.2 million is included for information technology projects.
9. **\$2.0 Million for Duke Energy Center Expansion and Renovation Project** – The General Capital Budget includes \$1.0 million in each year of the biennium for the Duke Energy Center expansion and renovation project and \$6.0 million over the six-year plan. The City's commitment to the Duke Energy Center's \$145 million renovation and expansion project includes an allocation of \$1.0 million annually for 30 years. The first installment was appropriated as part of the 2003 General Capital Budget.
10. **\$1.3 Million for Hazard Abatement and Demolition of Unsafe Buildings** – In 2007 and 2008, a total of \$1.3 million has been approved for the demolition of unsafe and public nuisance buildings. This amount includes \$306,000 over the biennium for the annual allocation project titled Hazard Abatement/Demolition Program and \$1.0 million for one new project in 2007 titled Hazard Abatement/Demolition Additional Funding. This additional funding is provided to comply with the City Council's directive to aggressively pursue the elimination of blight. Over the six-year plan, \$2.4 million is included for hazard abatement and demolition initiatives.

RESTRICTED/SPECIAL REVENUE/MATCHING FUND HIGHLIGHTS

1. **Metropolitan Sewer District (MSD) Global Consent Decree: \$365.3 Million** – The Capital Budget for MSD is \$176.9 million in 2007 and \$188.4 million in 2008, which is significantly larger than previous years resulting from additional expenses for the Wet Weather Program. This program will implement sewer improvements as required by the Global Consent Decree, Clean Water Act regulations, and state and federal mandates.
2. **Greater Cincinnati Water Works Capital Improvements: \$111.1 Million** – Capital improvements for Water Works totals \$51.8 million in 2007 and \$59.3 million in 2008. Over the biennium, a total of \$33.2 million is included for the replacement of water mains, \$7.0 million is included for the replacement of meters, and \$13.3 million is included to replace water mains when street improvements made by other jurisdictions affect an existing water main. The biennial budget also includes \$8.8 million for information technology projects.
3. **Stormwater Management Improvements: \$1.7 million** – The Stormwater Management Utility Capital Budget includes \$1.4 million in 2007 for motor rewind and facility repairs at the Barrier Dam, drainage improvements along Glenview Avenue, and replacement of a portion of the West Fork Channel wall system. In 2008, \$0.3 million is included to continue work at the Barrier Dam and for two sewer replacement projects.
4. **Lunken Airport Improvements: \$990,000** – Funding for facility and infrastructure improvements at the City-owned Lunken Airport totals \$485,000 in 2007 and \$505,000 in 2008. In both years of the biennium, funding is allocated for infrastructure improvements, facility improvements, noise monitoring and abatement, and Federal Aviation Administration (FAA)/Ohio Department of Transportation (ODOT) local match funding. In 2007, the City is expected to receive \$900,000 in grant funding from the FAA for improvements to Lunken Airport and the Blue Ash Airport.
5. **Improvements for Parking Facilities: \$950,000** – The 2007 Capital Budget for improvements to City parking facilities totals \$250,000. This includes \$200,000 for structural maintenance and repairs and \$50,000 for the Gateway Garage Capital Improvements project to comply with the City's agreement with the Kroger Company (Ord. #300-2003), requiring an annual allocation of \$50,000 for improvements to the garage. In 2008, the Capital Budget totals \$700,000, with \$450,000 for structural maintenance and repairs, \$200,000 for the revenue control equipment, and \$50,000 for the Gateway Garage Capital Improvements project.
6. **Convention Center Improvements: \$400,000** – Funding for improvements to the newly renovated and expanded Duke Energy Center totals \$170,000 in 2007 and \$230,000 in 2008. The Furniture, Fixtures, and Equipment project is included for \$120,000 in 2007 and \$105,000 in 2008. The Capital Maintenance project is included for \$50,000 in 2007 and \$125,000 in 2008.
7. **Special Revenue Capital: \$2.4 Million** - The Capital Budget for the Special Housing Permanent Improvement Fund (SHPIF) is \$1.2 million in both years of the biennium.

2007/2008 Approved Capital Budget

Projects in this fund, which are supported from net rental income and tax increment payments, will promote housing development downtown.

8. **Federal and State Capital Grant Matching Funds: \$29.3 Million** - The City receives Federal and State matching funds to improve the City's roads and bridges. Additionally, funds are received annually from the Federal Aviation Administration (FAA) for improvements to Lunken Airport and Blue Ash Airport. Federal and State Capital Matching Funds total \$25.0 and \$4.3 million in 2007 and 2008, respectively. The decrease of \$20.7 million in 2008 compared to 2007 results from the current uncertainty related to transportation and FAA grant funding in 2008. The Lunken and Blue Ash Airports are slated to receive FAA entitlement funds in 2007; however, the FAA has no detailed plans at this point associated with the Federal Aviation Trust Fund beyond 2007. Therefore, no funding data is currently available for either airport beyond 2007.

CITY COUNCIL BUDGET POLICY PRIORITIES

The City Council Budget Policy Priorities adopted on June 21, 2006 included several items related to the 2007/2008 Capital Budget. Each Capital Budget policy item is listed below, along with the item's disposition in the Approved 2007/2008 Capital Budget.

1. *Empower the Department of Buildings and Inspections to aggressively pursue the elimination of blight through increased funding for demolition, blight/hazard abatement, additional inspectors, and transferring 1.0 FTE from the Law Department for legal services.*

Disposition: Funding for the Hazard Abatement/Demolition project in the Buildings and Inspections Department totals \$130,900 in 2007 and \$175,100 in 2008. One new project titled Hazard Abatement/Demolition Additional Funding has been added in 2007 in the amount of \$1.0 million to provide additional resources to this initiative in response to the City Council's directive. Funding for demolition and hazard abatement over the biennium totals \$1.3 million. The Department's average cost per building is \$500 for barricading and \$15,000 for demolition. The total amount for this initiative does not meet the necessary funding needed to barricade and demolish the estimated 1,800 vacated buildings within the City; however, it maximizes funding despite limited resources. In addition, Community Development Block Grant funding is allocated for this initiative.

2. *Reduce City spending through a variety of methods, including but not limited to: reduction of non-essential services, which are defined as services other than safety, fire, garbage collection, road repair and pavement, maintenance of green spaces, recycling, and the rehabilitation of 100 lane miles per year.*

Disposition: The Capital Budget for the Department of Transportation and Engineering includes funding for the rehabilitation of 200 lane miles over the biennium, augmented with outside resources. The department is expected to meet the objective in 2007 and 2008.

3. *Allocate funding for the Department of Transportation and Engineering to develop and implement innovative and cost-effective solutions to address neighborhood traffic concerns.*

Disposition: The Capital Budget for the Department of Transportation and Engineering includes funding for safety improvements. The department has improved its accident tracking system and its accessibility to the Police Department. The replacement of existing incandescent traffic signals with new LED signals will significantly increase visibility of the signals, improving safety and compliance. The Police Traffic Section and the Department of Transportation and Engineering's Traffic Engineering Division are meeting regularly to discuss issues and identify solutions to neighborhood traffic concerns. The Department of Transportation and Engineering also plans to begin discussion on the possibility of creating a public awareness campaign about traffic issues, including speeding and running red lights as well as enhancing and expanding the neighborhood traffic watch program.

4. *Match CG&E's contribution to the Business and Jobs Attraction account.*

Disposition: As part of the City's settlement with Duke Energy/Cinergy regarding the City's opposition to the merger of the two companies, Duke Energy/Cinergy pledged \$750,000 to a Business and Jobs Attraction account. The Business and Jobs Attraction account would be used by the City to encourage job and business growth in Cincinnati. The 2007/2008 Approved Capital Budget does not include matching funds for the Business and Jobs Attraction account due to limited resources.

5. *Stay committed to 841 firefighters and continue efforts to support the Regional Fire Training Center project.*

Disposition: The Fire Burn Building, which is part of the Regional Fire Training Center, is 50% complete with the design process. The City Facility Management Division of the Public Services Department expects construction of the Burn Building to be completed in 2007. Additional funding for other structures that are necessary to create the Regional Fire Training Center is not included in the 2007/2008 Capital Budget. This project should be reconsidered if and when the Fire Department is able to gather financial and operational support from surrounding townships, municipalities, local colleges, and other regional groups.

In addition to the policy priorities adopted on June 21, 2006, the City Council unanimously adopted a motion (Doc. #200510478) presented by the Mayor in September 2005 that identified the Kennedy Connector as the top priority for the 2006 Capital Budget. A total of \$6.1 million has been appropriated to the project thus far and \$13.9 million is included in the 2007/2008 General Capital Budget. The total cost of the project is estimated to be \$25.2 million and funding from outside sources in the amount of \$3.7 million is expected. Project managers have indicated that the developer will identify an additional \$1.5 million needed to complete the project.

2007/2008 Approved Capital Budget

Also, on September 13, 2006 the City Council adopted a motion (Doc. #200600839) that requested the Administration to provide the resources necessary to build a temporary jail facility located in Cincinnati. If it is the desire of the City Council to provide funding for such a temporary facility, resources from the following new projects in the 2007 General Capital Budget should be considered as a funding source.

(In \$ Millions)

Department	Project Title	Amount
City Manager's Office/Economic Dev. Div.	Economic Dev. Opportunities	\$3.0
Community Development	Neigh. Housing/Commercial Dev.	\$2.0
Buildings and Inspections	Hzd Abtmnt/Demo Addl. Funding	<u>\$1.0</u>
TOTAL:		\$6.0

SMALE INFRASTRUCTURE APPROPRIATION REQUIREMENTS MET

In 1988, the voters of the City of Cincinnati approved a 0.1% increase to the municipal income tax on earned income to provide funding for costs related to the construction, operation, and maintenance of the City's infrastructure. Mr. John Smale, Chief Executive Officer of the Procter and Gamble Company in 1986, served as chairman of an independent commission that recommended infrastructure improvements and the tax increase.

As part of the ballot initiative that created the tax-supported revenue stream to support the City's infrastructure, the City is to maintain a base appropriation amount for infrastructure. The base amount is adjusted annually to reflect inflationary increases. The estimated base amount is \$61.1 million in 2007.

The 2007/2008 General Capital Budget includes \$38.5 million in 2007, \$38.8 million in 2008, and \$235.3 million over the six-year plan for the renovation and/or replacement of existing City infrastructure assets. The Biennial Capital Budget amounts, combined with Operating Budget infrastructure maintenance commitments of approximately \$32.0 million in both 2007 and 2008, provide the City with a sufficient coverage to meet the legal spending requirements needed to maintain the 0.1% portion of the income tax dedicated to infrastructure.

The following is a list of General Capital Budget expenditure highlights for Smale Infrastructure projects:

(In \$ Millions)

SMALL INFRASTRUCTURE PROJECTS		
	Biennial	Six-Year
Neighborhood Street Rehabilitation	\$26.5	\$84.7
City Facility Renovations/Replacements	\$25.7	\$78.3
Street and Road Improvements	\$11.8	\$24.9
Annual Infrastructure Programs	\$6.7	\$23.4
Miscellaneous Small Programs	\$6.6	\$24.0
TOTAL:	\$77.3	\$235.3

Needs Exceed Resources – General Capital Budget expenditures represent a careful review of those programs designed to effectively manage the City’s physical assets and infrastructure, and consideration of the most prudent policy for allocating limited resources. The unfortunate reality, however, is that more than \$51.6 million in capital spending needed over the biennium to meet the needs of our aging infrastructure has not been met. Deferral of badly needed investments for capital improvements results in streets with potholes, broken sidewalks, malfunctioning traffic signals, buildings with leaky roofs, and other deterioration of our physical assets. The City will continue to spend our General Capital resources wisely and consider the option of convening a special infrastructure task force to review the condition of our capital assets.

2007/2008
All Funds Capital Budget Summary

	Approved 2006	Approved 2007	Approved 2008
Capital Budget			
General Capital	\$66,015,000	\$79,875,200	\$65,045,000
Enterprise Capital			
Cable Communications	120,500	0	0
Convention Center	0	170,000	230,000
General Aviation	470,000	485,000	505,000
Income Tax Transit	100,000	100,000	100,000
Metropolitan Sewer District	131,363,600	176,897,300	188,406,200
Parking Facilities	179,200	250,000	700,000
Stormwater Management	1,450,000	1,405,000	331,000
Telecommunications Services	62,900	30,000	30,000
Water Works	45,259,000	51,775,000	59,353,000
Total Enterprise Funds	\$179,005,200	\$231,112,300	\$249,655,200
Special Revenue Funds Capital			
Special Housing Permanent Improvement Fund	\$1,225,000	\$1,225,000	\$1,225,000
Matching Capital Funds			
State-Federal-County Roads & Bridges	\$20,712,125	\$24,110,000	\$4,260,000
Federal Aviation Administration	380,000	900,000	0
Total Matching Funds	\$21,092,125	\$25,010,000	\$4,260,000
Total All Funds Capital Budget	\$267,337,325	\$337,222,500	\$320,185,200

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EXECUTIVE OVERVIEW

I. INTRODUCTION

A capital improvement or capital project is defined as the purchase or improvement of a City asset, including construction or rehabilitation which provides an asset for the City's use or, in the case of an existing asset, increases the value of the public asset or extends its useful life. Capital improvements are made to improve the value of City assets, and are relatively large expenditure items compared with operating budget items. A capital improvement is expected to have a useful life of at least five years, compared to operating budget items which are consumed in the daily delivery of City services.

The nature of a capital improvement lends itself to long-term planning and a combination of financing mechanisms. In Cincinnati, General Capital improvements are primarily funded by property tax-supported bond proceeds, earmarked income tax receipts, and Southern Railway Lease note proceeds. The necessary lead time involved in engineering a project, acquiring and clearing sites, or in securing State or Federal funds may require the funding of project phases over several years. Enterprise and Special Revenue capital projects are generally funded by user fees to operate and maintain facilities, such as the Water Works system.

A six-year Capital Investment Program (CIP) is a plan for capital investment in Cincinnati's future through improving City streets, bridges, recreation facilities, parks, health facilities, and buildings, all of which enhance the delivery of services and the quality of life in Cincinnati. The 2007-2012 CIP coordinates the financing and timing of improvements to maximize the value to the public.

This Capital Budget process began with city departments making requests for capital projects. These requests included ongoing projects, improvements to existing assets, previously funded phased projects, and new projects. All department capital project requests were reviewed by the Capital Committee, which is a peer group of department directors chaired by an Assistant City Manager and the Finance Director.

The City Manager reviewed the recommendations of the Capital Committee and, in turn, developed the Capital Budget recommendations, which were submitted to the Mayor on November 9, 2006. After reviewing and commenting on the City Manager's recommended Capital Budget, the Mayor presented his Capital Budget to the City Council. Public comment regarding the Mayor's recommended Capital Budget was solicited during public hearings held on November 20, December 12, 14, and 19, 2006. The City Council approved the 2007/2008 Biennial Capital Budget on December 21, 2006.

In addition to City Council policy directives and other review considerations, the Capital Committee used the criteria listed below in developing the Capital Budget. The criteria in descending priority sequence are as follows:

1. Hazard Elimination: to eliminate or reduce definite and immediate health and safety hazards;
2. Legal Mandates: to comply with a court order or other specific legal directive (consent decree, etc.);
3. Regulatory Compliance: self-initiated improvement in compliance with a federal, state, or local rule or regulation affecting capital assets;
4. Project Completion: to finish phased projects with related and already committed or expended funding;
5. Prevent Failure: to systematically, and according to schedule, improve assets which, if not periodically improved, would fail;
6. Extend Useful Life: to improve an asset by making a capital investment to increase the asset's service life;
7. Cost-Benefit Justified: to make a capital investment which is supported by benefits equal to or greater than the cost of investment (e.g., benefits may be in jobs, revenue, cost savings, matching funds, etc.); and,
8. Service Betterment: to accommodate growth in service demand, or to otherwise increase the quality of service provided by the capital asset.

2007-2012 General Capital Investment Program

Exhibit 2

General Capital	2006	2007	2008	2009	2010	2011	2012	2007-2012 Total
PROGRAM RESOURCES								
City Income Tax	\$15,781,810	\$17,620,000	\$13,245,000	\$13,305,000	\$13,090,000	\$13,140,000	\$13,335,000	\$83,735,000
Property Tax Supported Bonds	\$22,000,000	\$25,000,000	\$25,000,000	\$22,000,000	\$22,000,000	\$22,000,000	\$22,000,000	\$138,000,000
Southern Rail. Note Proceeds	\$15,667,690	\$15,980,000	\$16,300,000	\$16,625,000	\$16,955,000	\$17,295,000	\$17,640,000	\$100,795,000
Income Tax Supported Debt	\$10,000,000	\$21,000,000	\$10,000,000	\$10,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$56,000,000
Reprogramming	\$565,500	\$275,200	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,775,200
Income Tax - One Time Balance	<u>\$2,000,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
TOTAL RESOURCES:	\$66,015,000	\$79,875,200	\$65,045,000	\$62,430,000	\$57,545,000	\$57,935,000	\$58,475,000	\$381,305,200
PROGRAM EXPENSES								
Debt Service Payments	\$1,093,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$6,000,000
Economic Development	\$5,640,000	\$6,754,600	\$4,111,300	\$3,784,900	\$3,445,900	\$3,653,000	\$3,312,900	\$25,062,600
Environment	\$190,000	\$145,000	\$165,000	\$140,000	\$140,000	\$100,000	\$100,000	\$790,000
Equipment	\$9,001,800	\$8,069,100	\$8,728,200	\$9,109,400	\$6,748,000	\$6,912,400	\$8,487,100	\$48,054,200
Housing & Neighborhood Dev.	\$4,050,000	\$5,880,900	\$3,109,000	\$3,495,300	\$3,290,400	\$3,172,800	\$3,528,400	\$22,476,800
Infrastructure (Smale)	\$37,555,100	\$38,452,600	\$38,810,500	\$39,752,200	\$39,085,200	\$40,063,700	\$39,163,800	\$235,328,000
New Infrastructure	<u>\$8,485,100</u>	<u>\$19,573,000</u>	<u>\$9,121,000</u>	<u>\$5,148,200</u>	<u>\$3,835,500</u>	<u>\$3,033,100</u>	<u>\$2,882,800</u>	<u>\$43,593,600</u>
TOTAL EXPENSES:	\$66,015,000	\$79,875,200	\$65,045,000	\$62,430,000	\$57,545,000	\$57,935,000	\$58,475,000	\$381,305,200
AVAILABLE BALANCE:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

II. ANALYSIS OF AVAILABLE RESOURCES (See Exhibit 3, Page 18)

GENERAL CAPITAL RESOURCES

The total 2007-2012 General Capital Investment Program forecasts \$381.3 million in available resources over six years (see Exhibit 2, page 14). For the six-year period, program resources equal the approved program expense amounts of \$381.3 million. Estimated resources are \$79.9 million for 2007 and \$65.0 million for 2008, which match the approved program expense amounts for 2007 and 2008. What follows in this section is a description of each resource category for the General Capital Budget.

City Income Tax

The City Income Tax is a locally levied tax applied to gross salaries, wages, and other personal compensation, and net profits earned by all City residents and to earnings of nonresidents working in the City limits. The City's income tax of 2.1% is subdivided into four components: general operations (1.55%), transit (0.3%), infrastructure (0.1%), and capital (0.15%). The 0.1% portion of the 2.1% City Income Tax, along with the local motor vehicle license tax and gasoline tax, is dedicated to infrastructure spending, but is not included as a capital resource. These resources go into special revenue funds, which are used in the operating budget for the maintenance and repair of infrastructure.

As shown in Exhibit 2, City Income Tax resources for 2007 are \$17.6 million and for 2008 are \$13.2 million. The 2007-2012 total City Income Tax resource is \$83.7 million. (Exhibit 3, page 18 provides a percentage breakdown of total program resources for 2006-2008.)

Property Tax Supported Bonds

The assessed valuation of property within the City subject to ad valorem taxes includes real property, public utilities property, and tangible personal property. In accordance with State law, some general obligation debt may be issued without a vote of the public. The debt cannot be issued unless there are sufficient tax proceeds for the payment of the debt service on the bonds. The estimate for Property Tax Supported Bonds (unvoted bonds) in Exhibit 2 reflects continuance of the City Council policy to maintain a constant property tax millage of 5.36 mills for debt service requirements. This City Council policy establishes the parameters for how much capital financing resources will be available from the issuance of debt. The City is well within the unvoted statutory debt limitation of 5 ½% of assessed value in the City.

As shown in Exhibit 2, Property Tax Supported Bonds for 2007 and 2008 are \$25.0 million in each year. The 2007-2012 total Tax Supported Bonds resource is \$138.0 million, with \$22.0 million each year from 2009 through 2012.

The Property Tax Supported Bonds portion of the General Capital resources continues Cincinnati's long-standing policy of no increase in taxes for debt service and replacement of debt service on maturing debt with new debt service requirements. This general policy has enabled the City to institute debt management policies which enable credit-worthiness. Approximately 72% of the City's current outstanding general obligation property tax and self-supported debt of \$417.5 million will be retired by December 31, 2015. Credit quality and affordability issues, used by bond rating agencies to determine the City's bond rating, continue to be positive indicators for the City. The per capita debt of \$1,990 and debt outstanding of 3.56% of the market value of taxable property are two examples.

Although the City currently utilizes general obligation bonded debt for self-supporting bond issues (such as urban renewal/economic development, parking system, and recreational facilities), self-supporting revenue sources have been, and are expected to be, sufficient to pay principal and interest requirements on all self-supporting debt. Beginning in 2000, the City Council approved a policy to use revenue bonds to support future Water Works capital projects.

The City also issues bonds with debt service to be paid by a portion of the 0.15% income tax earmarked for capital purposes. This strategy has been utilized by the City Council to leverage funds for special projects such as to take advantage of emerging development opportunities. The City uses this strategy sparingly, in order to have funds available for pay-as-you go (cash) projects.

Southern Railway Note Proceeds

Cincinnati owns the Cincinnati Southern Railway and leases its use. In 1987, the City renegotiated the terms of the lease for a more favorable annual income. The City Council endorsed a policy by resolution to dedicate funds generated by the Southern Railway to infrastructure projects. The notes issued and interest income provide a resource for infrastructure projects.

As shown in Exhibit 2, the Southern Railway Note Proceeds resource for 2007 is \$16.0 million and for 2008 is \$16.3 million. The 2007-2012 Southern Railway Note Proceeds resource totals \$100.8 million.

Income Tax Supported Debt

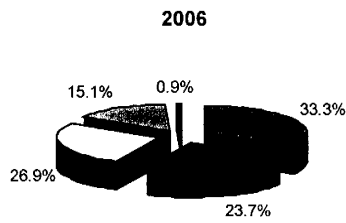
The Approved 2007/2008 Biennial Capital Budget and the 2007-2012 Capital Investment Program includes the use of City Income Tax Supported Debt as a resource for project expenditures. The ability to use City Income Tax proceeds to support debt will be determined annually by forecasted income tax revenues.

As shown in Exhibit 2, the Income Tax Supported Debt resource for 2007 is \$21.0 million and for 2008 is \$10.0 million. The 2007-2012 total Income Tax Supported Debt resource is \$56.0 million.

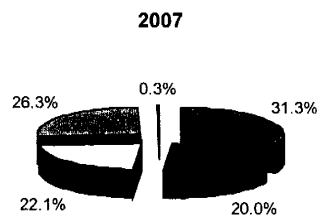
Reprogramming Resources

Reprogramming Resources are unused funds recaptured from projects that are completed. The remaining balances are available and reprogrammed for use in new projects. As shown in Exhibit 2, the 2007 reprogramming resource amount is \$275,200 and the 2008 resource amount is \$500,000. For 2007-2012, Reprogramming Resources total \$2.8 million.

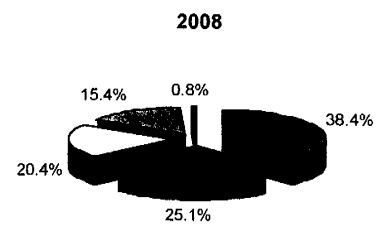
City of Cincinnati 2006 – 2008 General Capital Investment Program Total Program Resources



\$66,015,000



\$79,875,200



\$65,045,000

- Property Tax Supported Bonds
- Southern Railway Note Proceeds
- City Income Tax
- Income Tax Supported Debt
- Reprogramming

III. ANALYSIS OF EXPENDITURES (See Exhibit 4, Page 20)

GENERAL CAPITAL FUND EXPENDITURES

Planned General Capital projects for the 2007-2012 Capital Investment Program total \$381.3 million, which matches the total estimated resources for 2007-2012 of \$381.3 million. For the 2007/2008 General Capital Budget, approved projects total \$144.9 million (\$79.9 million in 2007 and \$65.0 million in 2008) which is balanced to resources.

The 2007-2012 Capital Investment Program is outlined in this document as follows: Projects by Agency, Projects by Expenditure Category, and Projects by Neighborhood. In addition, each project is described in separate sections by department.

The Projects by Expenditure Category report includes: Debt Service Payments, Economic Development, Environment, Equipment, Housing and Neighborhood Development, Infrastructure (Smale Commission), and New Infrastructure. The Debt Service Payments category was added in 2002. This category includes a project related to the City's commitment to the expansion of the City-owned convention center (the Duke Energy Center). The New Infrastructure category was added for the 1997/1998 Biennial Budget to distinguish new capital improvements from Infrastructure (Smale Commission) projects, which provide for the renovation or replacement of existing City assets.

Debt Service Payments

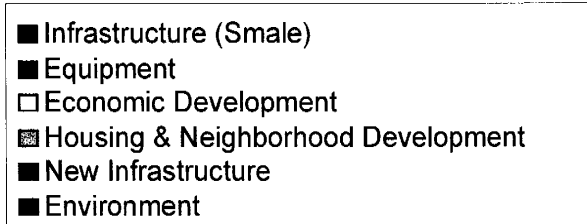
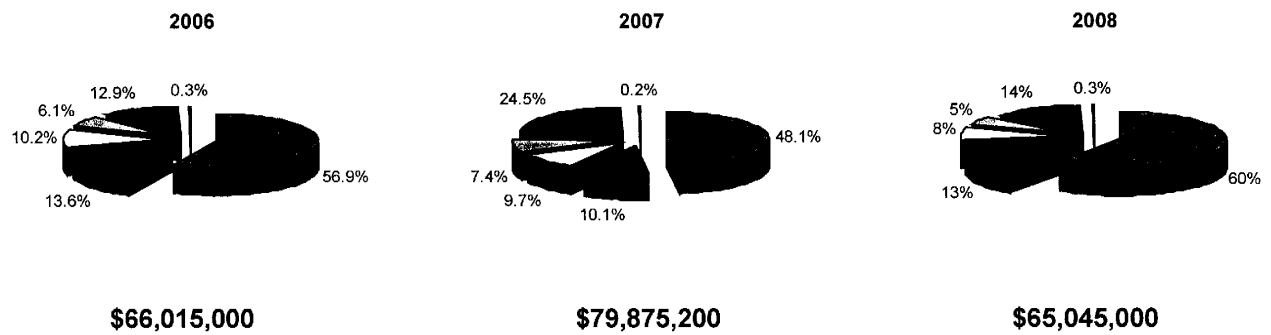
A total of \$2.0 million is included in the biennium (\$1.0 million in both 2007 and 2008) for one project included in the Debt Service Payments category. The 2007-2012 six-year plan approved amount is \$6.0 million. The Debt Service Payments category represents 1.4% of the total General Capital Budget for the 2007/2008 biennium and 1.6% for the six-year General Capital Investment Program.

An amount of \$1.0 million is included each year from 2007 through 2012 for the Convention Center Expansion project. This is a part of the City's commitment to the \$145.0 million convention center renovation and expansion, which was funded from City, County, and private sources. The \$1.0 million annual commitment is for thirty years.

Economic Development

The amount of \$10.9 million is included in the biennium (\$6.8 million in 2007 and \$4.1 million in 2008) for Economic Development projects. A total of \$25.1 million is included over the six-year plan. The Economic Development category represents 7.5% of the total Biennial General Capital Budget and 6.6% of the six-year General Capital Investment Program.

City of Cincinnati 2006 – 2008 General Capital Investment Program Approved Expenditures



A total of \$3.0 million in 2007 is included for the new Economic Development Opportunities project. This project will support development projects to enhance the City's economic base and to create or retain quality jobs.

A total of \$2.9 million in the biennium (\$1.5 million in 2007 and \$1.4 million in 2008) and \$6.9 million for the six-year plan is included in the General Capital Budget for the Neighborhood Business District (NBD) Public Improvements project.

A total of \$4.3 million (\$2.8 million in 2007 and \$1.5 million in 2008) is included in the Biennial Consolidated Plan Budget, which brings the total NBD Improvements budget to \$7.2 million in the biennium (\$4.3 million in 2007 and \$2.9 million in 2008) and \$11.2 million over the 2007-2012 six-year plan. (Note: The Consolidated Plan Budget does not go beyond 2008.)

The Retail/Commercial Opportunities program is included for \$2.1 million in the biennium (\$948,700 in 2007 and \$1.1 million in 2008) and \$6.5 million over the six-year plan. This program provides funding for attracting and retaining downtown retail and commercial businesses.

The Approved 2007/2008 Biennial General Capital Budget includes \$1.0 million (\$500,000 in each of 2007 and 2008) and \$2.9 million over the six-year plan for the Commercial & Industrial Public Improvements project. This project provides funding for planning activities and public improvements including infrastructure improvements, development and predevelopment activities to facilitate retention, expansion, and attraction of businesses within commercial and industrial areas of the City.

Included within the Economic Development category is \$900,000 over the 2007/2008 biennium (\$400,000 in 2007 and \$500,000 in 2008) for the Community Development Focus District project. This project provides funding to support development and predevelopment activities, as well as gap financing and public improvements in neighborhoods that are identified in the City's Consolidated Plan as Strategic Investment Areas. A total of \$561,800 is included over the 2007/2008 biennium (\$205,900 in 2007 and \$355,900 in 2008) and \$1.8 million is included for the six-year plan for the Strategic Program-Urban Revitalization (SPUR) project. This project facilitates the redevelopment of abandoned, vacant, and underutilized industrial and commercial sites. A total of \$100,000 in 2008 and \$500,000 over the six-year plan is included for the Enterprise Zone Administration and Public Improvements project. This project provides funding for the administration of the City's Enterprise Zone Program and for public improvements required for business expansion, renovation, and relocation within an enterprise zone.

The Economic Development category also includes a Department of Transportation and Engineering project that supports neighborhood development. A total of \$350,000 is included in the biennial budget (\$200,000 in 2007 and \$150,000 in 2008) for the Neighborhood Transportation Strategies project. This project provides funding for the support of neighborhood transportation strategies in conjunction with land use development opportunities.

Environment

The amount of \$310,000 (\$145,000 in 2007 and \$165,000 in 2008) is included for environmental projects in the biennium. A total of \$790,000 is included over the six-year plan. The Environment category represents 0.2% of the total 2007/2008 General Capital Budget and 0.2% of the six-year General Capital Investment Program.

Environmental projects for the biennium include the Center Hill Gas and Leachate project for \$200,000 (\$100,000 in each of 2007 and 2008) and \$600,000 over the six-year plan. This project will continue the operation of the methane gas and leachate collection systems at the Center Hill landfill site in order to comply with State and Federal solid waste regulations. The Environmental Management System and Regulatory Compliance project (\$25,000 in both 2007 and 2008, and \$50,000 for the six-year plan) provides funding that will allow the City to respond to regulatory compliance issues that require immediate attention. A total of \$10,000 in 2007, and \$20,000 in 2008, and \$70,000 for the six-year plan is included for the Emergency Environmental Cleanup project. Funds for this project provide the City with the ability to immediately respond to severe emergency clean-up situations where the public health is at risk.

A total of \$10,000 in 2007 and \$20,000 in 2008, and \$70,000 over the 2007-2012 six-year plan is included for the Underground Storage Tanks project. This project funds the removal of underground storage tanks from City-owned sites.

Equipment

The Approved 2007/2008 Biennial General Capital Budget includes \$16.8 million (\$8.1 million in 2007 and \$8.7 million in 2008) for equipment and technology. A total of \$48.1 million is included for the six-year General Capital Investment Program. The Equipment category represents 11.6% of the total 2007/2008 General Capital Budget and 12.6% of the six-year General Capital Investment Program.

The acquisition of up-to-date technology provides the tools necessary for City employees to function more efficiently and provide better service to citizens. The 2007/2008 Biennial General Capital Budget for information system projects is \$2.6 million (\$1.3 million in 2007 and \$1.3 million in 2008). The six-year total for information system projects is \$6.2 million.

Information system projects for the 2007/2008 Biennial General Capital Budget include the AMS-CFS Procurement Software Upgrade project, the Income Tax Collection Software project, the Information Systems PC Replacement Plan project, the CFS Client Server project, the Communications Master Plan project, the Active Directory/Server Consolidation project, the CAGIS Infrastructure project, the Data Infrastructure Security project, the Electronic Government project, the Desktop Asset Management project, and the Information Systems Acquisition project.

The AMS-CFS Procurement Software Upgrade project is included for \$60,000 in 2007. This project will upgrade the existing extended purchasing module of the Cincinnati Financial System (CFS). The Income Tax Collection Software project (\$124,300 in 2008 and \$284,300 for the six-year plan) will provide funding for the upgrade of the income tax collection software that allows taxpayers to prepare and submit their City tax returns online. A total of \$130,000 is included in each of 2007 and 2008 and \$780,000 is included in the six-year plan for the Information Systems PC Replacement Plan project. This project will replace the obsolete computer equipment in the Recreation Department. The CFS Client Server project is included for \$100,000 in 2007, \$50,000 in 2008, and \$600,000 for the six-year plan. This project will complete the development of modifications to the CFS version 3.0 software. A biennial amount of \$490,200 (\$75,000 in 2007, \$415,200 in 2008), and \$846,000 for the six-year plan is included for the Communications Master Plan project. This project will provide funding to continue the implementation of the multi-year strategy for upgrading the City's communications network. The Active Directory/Server Consolidation project (\$168,000 in 2007 and \$436,000 for the six-year plan) will provide funding for required upgrades to the City's existing Metropolitan Area Network (MAN) due to new network requirements. The CAGIS Infrastructure project (\$98,600 in 2007, \$40,000 in 2008, and \$474,400 for the six-year plan) provides upgrades for databases that provide Geographic Information System (GIS) data and analysis, including easement, right-of-way, and aerial photo information. A biennial amount of \$333,000 (\$184,600 in 2007, \$148,400 in 2008), and \$933,500 for the six-year plan is included for the Data Infrastructure Security project. This project will provide funding for the continued development of the City's information and data infrastructure security policies and standards.

A biennial total of \$554,300 (\$319,700 in 2007 and \$234,600 in 2008) is included for the Electronic Government project. This project provides funding for the continued development of a first-class Internet presence for the City, including Web-based technologies and enhanced service delivery capabilities. The Desktop Asset Management project (\$50,000 in 2008 and \$250,000 for the six-year plan) assists City employees with information technology asset management, and integration and inventory capabilities. In order to improve data collection and departmental communications, a total of \$300,000 is included in the biennium (\$150,000 in each of 2007 and 2008) and \$1,000,000 over the six-year plan for the Department of Transportation and Engineering's Information Systems Acquisition project. In addition to the 2007 and 2008 information technology projects highlighted in this section, a total of \$394,400 is included over the final four years (2009-2012) of the six-year plan for the Licensing Software & A/R Collection System project, the Air Compressor Replacement project, the Apparatus Door Closers project, and the E911 Palladium Stations project.

Projects involving the purchase or upgrade of equipment total \$6.8 million in 2007, \$7.4 million in 2008, and \$41.8 million over the six-year plan. Equipment projects within the 2007/2008 biennium include the Fleet Replacements project; the Finance Department's Postage Meter project; the Fire Department's Fire Equipment Enhancements, Defibrillator Replacement, Exhaust System, and Furnish/Appliances for New Firehouse projects; the Department of Health's Dental Equipment Replacement project; the Police

Department's Fire Suppression System, Impound Lot Security System, and Stand Alone Phone Switch projects; the Department of Public Services' Westfork Trash Compactor and Trash Receptacles projects; and the Regional Computer Center's Telephone System Upgrade and Replacement project.

A total of \$12.4 million in the biennium (\$5.9 million in 2007 and \$6.5 million in 2008) is included for the Fleet Replacements project. The six-year total is \$36.2 million. This project provides funds for replacing and upgrading the City's motorized fleet. The Postage Meter project (\$83,300 in 2007) will provide funding for the purchase of a digital printing postage meter that places barcodes on all outgoing pieces of U.S. Postal Service mail. A total of \$600,000 in the biennium (\$300,000 in each of 2007 and 2008) and \$2.6 million for the six-year plan is included for the Fire Department's Fire Equipment Enhancements project. This project will provide funding for the purchase of safety and training equipment to support recommendations related to the Line of Duty Death Report and recommendations from the Tri-Data Report. A biennial total of \$157,100 (\$88,600 in 2007 and \$68,500 in 2008) is included for the Defibrillator Replacement project. The six-year plan total is \$506,300. Funds will be used to replace 36 12-lead monitor defibrillators. A total of \$246,000 in the biennium (\$68,100 in 2007 and \$177,900 in 2008) and \$555,000 for the six-year plan is included for the Exhaust System project. This project will provide funding for the purchase of apparatus garage door closers for all garage doors throughout the department. For 2007, \$43,600 is included for the Furnish/Appliances for New Firehouse project. This project will provide funding for the purchase of all appliances and office furniture necessary to complete the construction of a new firehouse.

The Department of Health's Dental Equipment Replacement project (\$70,000 in each of 2007 and 2008) provides funding for the replacement of dental equipment at the Price Hill and Millvale Health Clinics. The Police Department's Fire Suppression System project (\$50,000 in 2007) will provide funding for a fire suppression system needed to safeguard valuable department assets and data. A total of \$55,000 in 2008 is included for the Impound Lot Security System project. This project will provide funding for a new security system including closed system cameras controlled by computers. The Stand Alone Phone Switch project (\$75,000 in 2008) will provide funding for a stand alone phone switch for the 800 Evans (Spinney) backup facility.

A total of \$240,000 (\$90,000 in 2007 and \$150,000 in 2008) and \$840,000 for the 2007-2012 six-year plan is included for the Department of Public Services' Trash Receptacles project. This project provides new trash receptacles in neighborhood business districts and the central business district. The Westfork Trash Compactor project (\$60,000 in 2007) will provide funding for the replacement of an eight-cubic-yard trash compactor, which has outlived its useful life.

The Regional Computer Center's Telephone System Upgrade and Replacement project is included for \$200,000 in the six-year plan. This project will provide funding for the replacement and enhancement of obsolete telephone systems throughout the City.

Housing and Neighborhood Development

The Approved 2007/2008 Biennial General Capital Budget includes \$9.0 million (\$5.9 million in 2007 and \$3.1 million in 2008) for Housing and Neighborhood Development projects. A total of \$22.5 million is included for the six-year General Capital Investment Program. The Housing and Neighborhood Development category represents 6.2% of the total 2007/2008 General Capital Budget and 5.9% of the six-year General Capital Investment Program. In the Consolidated Plan Budget, the total biennial housing component is \$15.2 million, with \$7.6 million included in both years of the biennium. The total 2007/2008 budget amount for housing is \$24.2 million (Capital and Consolidated Plan Budgets). With the Special Housing Permanent Improvement Fund (SHPIF) biennial total of \$2.4 million (\$1.2 million in both years of the biennium), the total biennial housing budget is \$26.6 million.

A total of \$1.3 million for the biennium (\$1.1 million in 2007 and \$175,100 in 2008) and \$2.4 million for the six-year plan is included in the General Capital Budget for the Department of Buildings and Inspections Hazard Abatement/Demolition Program. This program removes unsafe, public nuisance buildings and provides for other emergency abatement activities. An amount of \$1.4 million in the biennium (\$675,000 in both 2007 and 2008) is included for this project in the Consolidated Plan Budget. The total All Funds amount for the Hazard Abatement/Demolition Program over the biennium is \$2.7 million.

Over the biennium, a total of \$7.7 million is included (\$4.8 million in 2007 and \$2.9 million in 2008) for the Neighborhood Market Rate Housing program. For the six-year plan, the total is \$20.1 million. Funding for the Neighborhood Market Rate Housing program will assist developers with site acquisition and infrastructure development for the rehabilitation of existing market rate units or the construction of new market rate units. The Citirama project (\$800,000 in 2008 and \$2.3 million over the six-year plan), provides funds for site and public improvements for new market rate housing development at future Citirama sites. The Neighborhood Housing/Commercial Development project is included for \$2.0 million in 2007. This project will focus on signature neighborhood housing development projects that are market rate and have a commercial development component. A total of \$650,000 in both years of the biennium is included for the Downtown Housing Development project. This project supports downtown housing development.

Infrastructure (Smale Commission)

The Approved 2007/2008 Biennial General Capital Budget includes \$77.3 million (\$38.5 million in 2007 and \$38.8 million in 2008) for Infrastructure (Smale Commission) projects in the 2007/2008 biennium. A total of \$235.3 million is included for the six-year General Capital Investment Program. The Infrastructure (Smale Commission) category represents 53.3% of the total Biennial General Capital Budget and 61.7% of the six-year General Capital Investment Program.

The Infrastructure (Smale Commission) portion of the General Capital Budget is combined with Operating Budget expenditures dedicated to infrastructure maintenance to determine the City's compliance with spending requirements needed to retain the 0.1% income tax dedicated to infrastructure maintenance and improvements. The appropriated amounts needed in the General Capital and Operating Budgets to meet the spending requirements is estimated to be \$61.1 million in 2007. For 2007, the Capital Budget portion of the requirement is \$38.5 million, while the estimated 2007 Operating Budget amount is \$32.0 million. The total 2007 General Capital Budget and Operating Budget amount is \$70.5 million and meets approximately 115% of the requirement in 2007. With a 2008 Smale Infrastructure Capital Budget of \$38.8 million and assuming the same Smale Operating Budget and Smale Infrastructure base requirement in 2008 as in 2007, approximately 116% of the requirement would be met in 2008. This level of coverage is recommended as a safeguard against potential delays in some capital project implementation caused by weather, the property acquisition process, or other unforeseen causes. Outlined below are some of the significant projects in the Infrastructure (Smale Commission) category.

A total of \$26.4 million is included for the biennium (\$13.0 million in 2007 and \$13.4 million in 2008) for the Street Rehabilitation Program. The six-year plan totals \$84.7 million. The Street Rehabilitation Program will provide at least 200 lane miles of street rehabilitation over the 2007/2008 biennium and 600 lane miles over the 2007-2012 six-year plan.

Street and road improvement projects and programs, including the Street Rehabilitation Program, total \$38.3 million for the biennium (\$18.8 million in 2007 and \$19.5 million in 2008). For the six-year plan the amount is \$109.6 million. The following table outlines the major street and road improvement projects and programs for the biennium:

	<u>2007</u>	<u>2008</u>
Street Rehabilitation	\$13,049,700	\$13,440,600
Waldvogel Viaduct Replacement	\$ 3,000,000	\$ 3,000,000
Street Improvements	\$ 1,000,000	\$ 1,000,000
Vine Street: Nixon to Erkenbrecher	-0-	\$ 700,000
Colerain Corridor	\$ 600,000	\$ 500,000
Curb Ramps/Street Rehabilitation	\$ 500,000	\$ 514,400

In addition to the major street and road projects listed above, the 2007/2008 biennial budget includes \$275,000 for the Red Bank Road – Fair Lane to Brotherton project (\$175,000 in 2007 and \$100,000 in 2008), \$250,000 in 2007 for the Columbia Parkway Access Management project, and \$100,000 in 2008 for the Columbia Parkway Enhancements project. A detailed description of all street and road projects is included in the Transportation and Engineering departmental section of this document.

For the biennium, the major annual infrastructure programs such as Bridge Rehabilitation, Wall Stabilization and Landslide Correction, Hillside Stairway

Rehabilitation, Spot Infrastructure Replacement, and Sidewalk Repair total \$6.7 million (\$3.35 million in 2007 and 2008) and \$23.4 million for the six-year plan.

Projects in the Infrastructure (Smale Commission) category include various facility renovations and facility replacement programs and projects for general government buildings, the Department of Health, the Department of Parks, and the Department of Recreation. For the 2007/2008 biennium, General Capital Budget facility renovation programs and projects total \$25.7 million (\$12.5 million in 2007 and \$13.2 million in 2008). The 2007-2012 General Capital Investment Program total for facility renovation and replacement programs is \$78.3 million.

In addition to the biennial budget for the renovation of general government buildings, and Health, Parks, and Recreation facilities, \$200,000 is included in the biennium for the Findlay Market Improvements project. Funding for this project over the 2007-2012 Capital Investment Program totals \$600,000. This project will provide funds to improve building systems such as plumbing, mechanical, and refrigeration. It will also support improvements to maintain the structural integrity of the North Addition Building.

On June 16, 2003 the "Capital Improvement Plan for City Facilities" report (Doc. #200306339) was submitted to the City Council's Finance Committee. This report provided an analysis of citywide General Capital Budget facility renovation needs for the Recreation, Parks, Public Services, and Health Departments. In 2003, the total estimated capital improvements need for City-owned facilities over the six-year period was \$160.6 million and the planned expenditures totaled \$78.2 million, leaving a shortfall of \$82.4 million. An update of that report shows a total capital improvements need of \$190.3 million for 2007-2012 and a planned allocation amount of \$87.7 million, generating a shortfall of \$102.7 million. In just the biennium, the total need is \$66.6 million, the General Capital Budget totals \$35.5 million, and the estimated shortfall for capital improvements for City facilities is \$31.1 million. (See Exhibit 5, page 28.)

A 2007/2008 biennial total of \$5.0 million (\$2.5 million in each year of the biennium) is included for the Replacement Facilities project. This project provides funding for the construction of replacement facilities to house Fire and Police services. For the six-year plan, the total is \$15.0 million.

An amount of \$15.9 million (\$7.6 million in 2007 and \$8.3 million in 2008) and \$49.3 million over the six-year period is included for renovations and improvements to Recreation and Parks indoor and outdoor facilities, and Health Department facilities. These projects also include Americans with Disabilities Act (ADA) facility improvements.

To provide matching funds and staff time for transportation studies and design related to the possible replacement of the Brent Spence Bridge, a total of \$100,000 (\$50,000 in both 2007 and 2008) is included in the biennial budget for the I-75/Brent Spence Bridge Studies project. The six-year plan totals \$1.7 million.

Capital Improvement Plan for City Facilities Report - Update

2007-2012 Capital Investment Program (CIP)

	2007	2008	2009	2010	2011	2012	Total
<u>Recreation</u>	3,806,200	4,169,200	4,340,000	4,133,400	4,161,300	4,056,800	24,666,900
Need	<u>10,454,000</u>	<u>9,746,500</u>	<u>10,970,500</u>	<u>9,437,000</u>	<u>9,571,500</u>	<u>8,472,000</u>	<u>58,651,500</u>
Gap	6,647,800	5,577,300	6,630,500	5,303,600	5,410,200	4,415,200	33,984,600
 <u>Parks</u>	 8,419,500	 8,734,800	 3,883,100	 3,703,700	 3,728,000	 3,637,100	 32,106,200
Need	<u>11,879,340</u>	<u>11,709,915</u>	<u>14,170,446</u>	<u>13,073,120</u>	<u>5,243,312</u>	<u>5,290,980</u>	<u>61,367,113</u>
Gap	3,459,840	2,975,115	10,287,346	9,369,420	1,515,312	1,653,880	29,260,913
 <u>Public Services</u>	 4,808,700	 4,850,000	 4,650,000	 4,700,000	 4,650,000	 4,700,000	 28,358,700
Need	<u>10,506,000</u>	<u>11,351,630</u>	<u>11,692,180</u>	<u>12,042,940</u>	<u>12,983,870</u>	<u>8,764,110</u>	<u>67,340,730</u>
Gap	5,697,300	6,501,630	7,042,180	7,342,940	8,333,870	4,064,110	38,982,030
 <u>Health</u>	 342,300	 380,300	 468,200	 446,600	 449,500	 438,600	 2,525,500
Need	<u>527,000</u>	<u>460,000</u>	<u>457,000</u>	<u>567,000</u>	<u>500,000</u>	<u>457,000</u>	<u>2,968,000</u>
Gap	184,700	79,700	(11,200)	120,400	50,500	18,400	442,500
 Total:	17,376,700	18,134,300	13,341,300	12,983,700	12,988,800	12,832,500	87,657,300
 Total Need:	33,366,340	33,268,045	37,290,126	35,120,060	28,298,682	22,984,090	190,327,343
 Total Gap:	15,989,640	15,133,745	23,948,826	22,136,360	15,309,882	10,151,590	102,670,043

The LED Traffic and Pedestrian Signals project (\$450,000 in each year of the biennium and \$2.7 million for the six-year plan) will replace incandescent type traffic signals and pedestrian signals with energy efficient Liquid Emitting Diodes (LED) signals. The LED signals are more energy efficient than the existing incandescent signals.

New Infrastructure

This expenditure category was added during the development of the 1997/1998 Biennial General Capital Budget to distinguish between new capital improvements and the Infrastructure (Smale Commission) expenditure category, which includes only the renovation and replacement of existing City assets. For the 2007/2008 Biennial General Capital Budget, the New Infrastructure category totals \$28.7 million (\$19.6 million in 2007 and \$9.1 million in 2008). The six-year plan totals \$43.6 million. This category represents 19.8% of the total Biennial General Capital Budget and 11.4% of the six-year Capital Investment Program.

The Kennedy Connector project is included in the amount of \$13.9 million over the biennium (\$12.5 million in 2007 and \$1.4 million in 2008). This project will provide funding for the design and construction of a new street that will connect the intersection of Duck Creek Road and Kennedy Avenue with Ridge Avenue. The total cost of the project is estimated to be \$25.2 million and funding from outside sources in the amount of \$3.7 million is expected. A total of \$6.1 million has been allocated to the project thus far, and project managers have indicated that the developer will identify the remaining \$1.5 million needed to complete the project.

An amount of \$10.0 million (\$5.0 million in each year of the biennium) is included for the Cincinnati Riverfront Park project, which will support the construction of Phase I of this new park. The Cincinnati Riverfront Park will provide a unifying dimension to the riverfront that will bring together the stadiums and the National Underground Railroad Freedom Center.

A total of \$200,000 in 2007 and \$1.3 million over the six-year plan is included for the Gilbert Avenue Greenway project. This project will create a greenway with a median, sidewalks and street trees along Gilbert Avenue from Eden Park Drive to Victory Parkway. The 2007/2008 biennial budget includes \$400,000 (\$300,000 in 2007 and \$100,000 in 2008) for the CBD Gateways/Greenways project. The six-year plan includes \$800,000 to continue the development of new gateways in the central business district. A total of \$100,000 in 2007 and \$50,000 in 2008 is included for the Neighborhood Gateways project for the construction of gateways and landscaped traffic islands in various city neighborhoods. The six-year plan total for the Neighborhood Gateways project is \$400,000.

A total of \$1.0 million for the Riverside Drive – Eggleston to Bains project is included in 2007 to provide funding for widening of the roadway and other improvements near Adams Crossing. A total of \$50,000 is included in 2008 for the Riverfront Master Plan

Coordination project. The six-year plan for this project is \$200,000. This project supports coordination and implementation efforts related to the development of the Central Riverfront Master Plan.

The Hamilton Avenue Improvements Phase 1 and Phase 2 projects will support widening of Hamilton Avenue in Northside. Phase 1 of this project totals \$380,000 in 2007 and in the six-year plan. Phase 2 totals \$351,000 in the biennium (\$31,000 in 2007 and \$320,000 in 2008) and a total of \$801,000 is included in the six-year plan. The 2007/2008 General Capital Budget includes \$500,000 for the Montana Avenue Improvements – Boudinot to Farrell project (\$100,000 in 2007 and \$400,000 in 2008) and a total of \$1.0 million in the six-year plan to provide funding for widening Montana Avenue. The Harrison Avenue Improvements project is also included for \$320,000 in 2008 and \$860,000 over the six-year plan for various improvements to Harrison Avenue including widening and adding left turn lanes.

Funding for the Central Parkway Lighting Replacement project totals \$300,000 in each year of the biennium and \$900,000 over the six-year plan to support a four-year phased replacement of street lighting along Central Parkway between Liberty Street and Ludlow Avenue. Over the biennium, \$100,000 is included for the Raised Pavement Markers project. The six-year plan totals \$300,000. This project provides funding for the purchase of reflective raised markers that are installed as part of street rehabilitation projects to improve visibility and safety.

A total of \$300,000 in 2007 and in the six-year plan is included for the Ohio River Trail – Carrel to Wilmer project. In addition to this project, a total of \$562,000 (\$462,000 in 2007 and \$100,000 in 2008) and a total of \$762,000 in the six-year plan is included for the Ohio River Trail – Congress to Carrel project. These projects are part of a major nine-mile bike trail development from Salem Avenue on the City's east side to the central business district.

A total of \$75,000 is included in the 2007/2008 General Capital Budget (\$50,000 in 2007 and \$25,000 in 2008) for the CBD Pedestrian and Parking Lot Signage project. The six-year plan totals \$225,000. This project involves the installation of way-finding graphics for the central business district. The Downtown Public Paver Replacement project is included for \$50,000 in each of 2007 and 2008, and \$300,000 in the six-year plan to provide funding to improve the quality of pedestrian access in the downtown area. In 2008, \$440,000 is included for the Central Riverfront Street Grid project and a total of \$1.0 million is included over the six-year plan. This project will support design, engineering, and construction of remaining street grid segments on the Central Riverfront and improve accessibility for development projects. The Citywide Development Transportation Enhancements project is funded in the amount of \$100,000 in 2008 and \$500,000 in the six-year plan to support the study, design, and construction of major transportation improvement initiatives.

ENTERPRISE FUND EXPENDITURES

The resources for enterprise fund capital projects come primarily from fees and charges. After operating and maintenance costs, current debt service, and reserve requirements are covered, the remaining available funds are used for capital purposes. Fund forecast information, including projected fund balance information, may be found in the Approved 2007/2008 Budget, Volume 1. As shown in Exhibit 1, page 11, the Enterprise Funds Capital Budget totals \$231.1 million in 2007 and \$249.7 million in 2008. For the six-year Capital Investment Program, the total is \$1.2 billion.

Water Works Department

The Greater Cincinnati Water Works (GCWW) provides service to the City of Cincinnati as well as customers of other communities in Hamilton, Warren, and Butler Counties. GCWW systems supply 50 billion gallons of water a year through over 3,000 miles of water mains to 239,000 residential and commercial accounts representing more than one million consumers within the service area.

Capital funding for the GCWW is \$111.1 million (\$51.8 million in 2007 and \$59.3 million in 2008) for the biennium and \$338.6 million for the six-year plan. Highlights in the biennial budget are \$33.2 million (\$16.4 million in 2007 and \$16.8 million in 2008) for the Replacement Water Mains project, which provides funding for the replacement of deteriorating water mains. The six-year plan for this project is \$104.4 million. A total of \$6.5 million in 2007 is included for the Meter Replacement Program. This project will involve the replacement of over 211,000 water meters. These new meters will be read from a vehicle by radio and entry into homes and businesses will no longer be required. The Projected Street Improvements project for \$13.3 million in the biennium (\$6.6 million in 2007 and \$6.7 million in 2008) provides funding for the replacement of water mains when another jurisdiction is improving a street that will affect a water main. The six-year plan totals \$41.1 million. The New Water Mains project for \$3.4 million in the biennium (\$1.2 million 2007 and \$2.2 million in 2008) and \$12.8 million for the six-year plan, involves the installation of new water mains in the distribution system.

The major water main replacement projects for the 2007/2008 biennium include \$4.0 million in the biennium (\$2.0 million in each of 2007 and 2008) for the Third, Linn to Dalton project, and \$3.0 million in the biennium (\$1.5 million in each year of 2007 and 2008) for the Budd Street and Eighth Street, Dalton to Evans project. The two projects involve the installation of a new 42-inch water main. A total of \$2.5 million is included in the biennium (\$500,000 in 2007 and \$2.0 million in 2008) for the Observatory – Edwards to Paxton project to begin construction of a 48-inch water main. The six-year plan total is \$4.8 million for this project. A total of \$5.3 million in the biennium (\$1.3 million in 2007 and \$4.0 million in 2008) and \$16.7 million for the six-year plan is included for the Ultraviolet Disinfection – Miller Plant project. This project will add an additional treatment barrier to the Miller Plant to protect public health and improve water quality.

Convention Center

The City-owned Duke Energy Center provides space and support services for conventions, conferences, public expositions, and other events. The biennial budget for Convention Center capital projects is \$400,000 (\$170,000 in 2007 and \$230,000 in 2008). For the six-year Capital Investment Program, the total funding is \$1.3 million. The 2007/2008 Biennial Capital Budget includes \$225,000 (\$120,000 in 2007 and \$105,000 in 2008) and \$530,000 in the six-year plan for the Furniture, Fixtures, and Equipment project. This project will provide funding for the purchase of furniture, fixtures, and equipment such as banquet chairs and computer equipment. The Convention Center Capital Budget also includes \$175,000 in the biennium (\$50,000 in 2007 and \$125,000 in 2008) and \$560,000 in the six-year plan for the Capital Maintenance project. This project will provide funding for capital maintenance such as wall protection of the newly expanded Convention Center facility. The Building Equipment project totals \$230,000 for the six-year plan (2009 through 2012). This project will provide funding for the replacement or repair of major equipment at the Convention Center, such as air handlers and energy management equipment.

Parking System Facilities

The Division of Parking Facilities operates and maintains City-owned parking garages and lots. Parking Facilities manages 5,700 on-street and 5,200 off-street parking spaces. The 2007/2008 Biennial Capital Budget for Parking Facilities is \$950,000 (\$250,000 in 2007 and \$700,000 in 2008). For the six-year Capital Investment Program, the total is \$2.7 million. In 2007, \$200,000 is included for the Structural Maintenance and Repair project. For 2008, this project totals \$450,000. The six-year plan total is \$2.0 million. This project provides funding for structural maintenance and repairs at the City's parking garages. A total of \$200,000 is included in 2008 for the Parking Revenue Control Enhancements project. The six-year plan total is \$400,000. Funding for this project will be used to upgrade the current revenue control equipment at the City's parking facilities.

The Gateway Garage Capital Improvements project totals \$100,000 for the biennium (\$50,000 in each of 2007 and 2008). The six-year plan includes \$300,000 for this project. This project will provide funding to comply with the City's agreement with the Kroger Company to allocate \$50,000 annually for capital improvements at the Gateway Garage.

General Aviation

The Division of General Aviation operates the Lunken Airport, which is a general aviation airport that serves both general aircraft and corporate flights. General Aviation also operates the Blue Ash Airport which serves small aircraft. The 2007/2008 Biennial Capital Budget for the General Aviation Fund is \$990,000 (\$485,000 in 2007 and \$505,000 in 2008). The six-year plan totals is \$3.2 million.

Projects for the 2007/2008 biennium include \$350,000 (\$170,000 in 2007 and \$180,000 in 2008) and \$1.1 million in the six-year plan for the City's local match of anticipated Federal Aviation Administration (FAA) funding. The General Aviation Fund Capital Budget also includes \$25,000 in each of 2007 and 2008 for the Noise Monitoring and Abatement project. This project provides funding for the development of a noise monitoring and abatement program for Lunken Airport. The six-year plan total for the Noise Monitoring and Abatement project is \$152,200.

A total of \$280,000 is included in the 2007/2008 Biennial General Aviation Capital Budget (\$140,000 in each of 2007 and 2008) and \$840,000 for the six-year plan for the Airport Infrastructure Improvements project. This project will provide funding for airport road and pavement improvements, parking lot improvements and expansion, flood control, and drainage improvements. The Facility Improvements project is also included for \$310,000 in the biennium (\$150,000 in 2007 and \$160,000 in 2008) and \$1.0 million in the six-year plan. Funding will be used for roofing, plumbing, electrical, window, and HVAC improvements at the City-owned facilities at the Lunken Airport.

Stormwater Management Utility

The Stormwater Management Utility is managed by the City's Department of Sewers. The Stormwater Management Utility is responsible for the administration, repair, and maintenance of the stormwater collection system in the City of Cincinnati. Service charges are based on area size and property use and on an Equivalent Runoff Unit rate that is set by the City Council. For the 2007/2008 Biennial Capital Budget, a total of \$1.7 million is included for Stormwater Management capital projects in the biennium (\$1.4 million in 2007 and \$331,000 in 2008). The six-year plan amount is \$5.6 million.

A total of \$381,000 is included in the biennium (\$200,000 in 2007 and \$181,000 in 2008) for the Barrier Dam Facility Repairs project. This project will provide funding for the repair of the main building that has stress cracks and other signs of failure. This project will extend the useful life of the Barrier Dam Facility.

A total of \$1.1 million in 2007 is included for the Barrier Dam Motor Rewind Phase IV project. Pump motors at the Barrier Dam Pumping Station will be replaced to protect the Mill Creek Valley from flooding.

Telecommunications Services Fund Projects

A biennial total of \$60,000 (\$30,000 in each of 2007 and 2008) and \$120,000 for the six-year plan is included for the Radio Communications Equipment project in the Telecommunications Services Fund (336). This project will support the replacement of service equipment needed to maintain the radio communications equipment.

Sewers Department

The Sewers Department operates the Metropolitan Sewer District (MSD), which is a multi-jurisdictional wastewater and collection treatment system that is managed by the City of Cincinnati for Hamilton County pursuant to an agreement made in 1968. For the 2007/2008 Biennial Capital Budget, the capital projects recommended to the Hamilton County Board of Commissioners total \$365.3 million (\$176.9 million in 2007 and \$188.4 million in 2008). The recommended total over five years is \$854.7 million. It should be noted that the MSD Capital Budget does not include projects for 2012. Financial schedules and capital requirements in the pending rate study reflect 2007 through 2011. The \$11.5 million increase from 2007 to 2008 reflects increases related to meeting the requirements of the Global Consent Decree.

For 2007/2008 biennium, the major projects include \$3.3 million (\$1.6 million in 2007 and \$1.7 million in 2008) for the Water in Basement Prevention Program. The total over five years for this program is \$8.6 million. This is a countywide project designed to alleviate water-in-basement problems for chronically affected structures (two or more incidents in a five-year period). A total of \$12.6 million (\$6.2 million in 2007 and \$6.4 million in 2008) and \$33.3 million over five years is included for the Trenchless Technology Sewer Rehabilitation project. This project provides sewer rehabilitation work using an internal lining technique that optimizes wastewater collection and improves hydraulic performance of the sewer system.

A total of \$15.0 million (\$7.5 million in each of 2007 and 2008) and \$39.0 million over five years is included for the Program Management Consultant project. The purpose of this project is to retain a consultant to act as the Consent Decree Program Manager for the Department. This will allow the Department to handle the volume of projects incurred by the Wet Weather Improvement Plan that would not be possible with current staff. A total of \$12.6 million is included in the biennium (\$6.2 million in 2007 and \$6.4 million for 2008) and \$30.9 million is included over five years for the Combined Sewer System Capacity Program project. This project will provide funding to develop a plan to address all capacity related combined sewer issues within the MSD service area, as required by the Global Consent Decree.

Funding in the amount of \$10.5 million in the biennium (\$5.2 million in 2007 and \$5.3 million in 2008) is included for the Emergency Sewer Repairs project. The total over five years for this project is \$27.8 million. The project allows MSD to respond to sewer emergencies that require immediate attention to preserve public health. A total of \$15.2 million is included in 2007 for the Eastern/Delta Sewer Separation Phase I project. For 2008, funding of \$16.4 million is included for Phase II, \$11.0 million for Phase III, and \$3.1 million for Phase IV of the Eastern/Delta Sewer Separation project. This first phase of the project will provide funding for the installation of approximately 5,382 feet of a 48-inch interceptor sewer and approximately 208 feet of 24-inch sanitary sewers in the East End and Columbia Tusculum neighborhoods.

A total of \$29.5 million is included in 2007 for the East Branch Muddy Creek Interceptor Relocation Phase I project. This funding will be used to construct approximately 2.8 miles of 42-inch gravity sewer and appurtenances and to install one interceptor pump station located in the Riverside neighborhood. The purpose of this project is to relocate the interceptor from its present location along the banks of the Ohio River to River Road, while increasing its capacity, as presented in the Wet Weather Improvement Plan.

Income Tax Transit Fund Projects

A total of \$200,000 is included in the 2007/2008 Biennial Capital Budget (\$100,000 in each of 2007 and 2008) for the Transit/Rail Corridor Preservation Acquisition project. The six-year plan totals \$600,000. This project provides funding for the acquisition of property, planning, environmental, and consultant services related to the preservation and reuse of existing railroad corridors.

SPECIAL REVENUE FUNDS

The biennial budget for the Special Housing Permanent Improvement Fund (SHPIF) is \$1.2 million in each of 2007 and 2008 for a total of \$2.4 million. This fund, which is supported from net rental income and tax increment payments, provides revenue for the New Housing Program administered by the Department of Community Development. This program supports the development of new market-rate housing in the City.

FEDERAL and STATE CAPITAL GRANTS

The City receives Federal and State grants and matching funds and also manages State and County funds to improve the City's roads and bridges. The General Aviation Division of the Department of Transportation and Engineering typically receives funding from the Federal Aviation Administration (FAA). The amount of funds granted by the FAA varies from year to year. Once grants are received, the resulting projects are budgeted and matching City funds will be recommended to the City Council for approval. As shown in Exhibit 1, page 11, Federal and State Capital Grants total \$25.0 million in 2007 and \$4.3 million in 2008.

READER'S GUIDE (Section 1)

GENERAL CAPITAL

**2007-2012 CAPITAL IMPROVEMENT PROGRAM
PROJECTS by AGENCY**

This report provides the budget amount for every project in the 2007-2012 General Capital Budget by Department and each Agency within a Department. The figure to the left of each project title is the departmental level priority assigned to that particular project. The agency total and the department total for each year for all projects combined are included with this report. Dollar signs (\$) are used only in the far right 2007-2012 Total column of this report; however, all figures in this report reflect funding allocations.

2007-2012 Capital Improvement Program Projects by Agency

Section 1

General Capital	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
<u>Department of Regional Computer Center</u>							
Regional Computer Center							
<u>Priority</u> <u>Project Title</u>							
1 Communications Master Plan	75,000	415,200	355,800				\$846,000
2 CAGIS Infrastructure	98,600	40,000	40,000	98,600	98,600	98,600	\$474,400
3 CFS Client Server	100,000	50,000	50,000	200,000	100,000	100,000	\$600,000
4 Active Directory / Server Consolidation	168,000		50,000		168,000	50,000	\$436,000
5 Data Infrastructure Security	184,600	148,400	133,500	133,500	133,500	200,000	\$933,500
6 Electronic Government	319,700	234,600					\$554,300
7 Desktop Asset Management		50,000	50,000	50,000	50,000	50,000	\$250,000
9 Telephone System Upgrade and Replacement			50,000	50,000	50,000	50,000	\$200,000
10 Info Technology Strategic Initiative			132,200	289,600	227,000	258,400	\$907,200
Regional Computer Center Total	945,900	938,200	861,500	821,700	827,100	807,000	\$5,201,400
Department of Regional Computer Center Total:	945,900	938,200	861,500	821,700	827,100	807,000	\$5,201,400
<u>Department of City Manager</u>							
City Manager							
<u>Priority</u> <u>Project Title</u>							
1 Retail/Commercial Opportunities	948,700	1,105,400	1,179,000	1,089,900	1,102,000	1,056,900	\$6,481,900
2 Downtown Housing Development	650,000	650,000	650,000	650,000	650,000	650,000	\$3,900,000
3 Findlay Market Improvements	100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
7 Economic Dev Opportunities	3,000,000						\$3,000,000
City Manager Total	4,698,700	1,855,400	1,929,000	1,839,900	1,852,000	1,806,900	\$13,981,900
Department of City Manager Total:	4,698,700	1,855,400	1,929,000	1,839,900	1,852,000	1,806,900	\$13,981,900
<u>Department of Finance</u>							
Treasury							
<u>Priority</u> <u>Project Title</u>							
8 Licensing Software & A/R Collection Sys.			50,000				\$50,000
Treasury Total	0	0	50,000	0	0	0	\$50,000
<u>Department of Finance</u>							
Income Tax							
<u>Priority</u> <u>Project Title</u>							
7 Income Tax Collection Software		124,300	160,000				\$284,300
Income Tax Total	0	124,300	160,000	0	0	0	\$284,300

2007-2012 Capital Improvement Program Projects by Agency

Section 1

General Capital	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
<u>Department of Finance</u>							
Purchasing							
<u>Priority Project Title</u>							
1 Postage Meter	83,300						\$83,300
2 AMS - CFS Procurement Software Upgrade	60,000						\$60,000
Purchasing Total	143,300	0	0	0	0	0	\$143,300
Department of Finance Total:	143,300	124,300	210,000	0	0	0	\$477,600
<u>Department of Community Development</u>							
Neighborhood Development							
<u>Priority Project Title</u>							
2 Neighborhood Market Rate Housing	1,300,000	683,900	1,000,000	991,000	1,000,000	1,000,000	\$5,974,900
3 Strategic Housing Initiatives Program	800,000	800,000	1,488,100	800,000	1,329,400	700,000	\$5,917,500
12 Neigh. Housing/Commercial Dev.	2,000,000						\$2,000,000
8 Citirama		800,000		700,000		799,500	\$2,299,500
Neighborhood Development Total	4,100,000	2,283,900	2,488,100	2,491,000	2,329,400	2,499,500	\$16,191,900
<u>Department of Community Development</u>							
Community Development							
<u>Priority Project Title</u>							
1 NBD Public Improvements	1,500,000	1,400,000	1,000,000	1,000,000	1,000,000	1,000,000	\$6,900,000
4 Commercial & Industrial Public Impvmts.	500,000	500,000	500,000	500,000	500,000	400,000	\$2,900,000
5 Community Development Focus District	400,000	500,000	500,000	400,000	400,000	350,000	\$2,550,000
6 SPUR	205,900	355,900	355,900	206,000	401,000	256,000	\$1,780,700
9 Enterprise Zone Admin. and Public Imp.		100,000	100,000	100,000	100,000	100,000	\$500,000
Community Development Total	2,605,900	2,855,900	2,455,900	2,206,000	2,401,000	2,106,000	\$14,630,700
Department of Community Development Total:	6,705,900	5,139,800	4,944,000	4,697,000	4,730,400	4,605,500	\$30,822,600
<u>Department of Recreation</u>							
Administration							
<u>Priority Project Title</u>							
1 Recreation Facilities Renovation	2,365,200	1,680,200	1,952,000	1,845,000	1,854,300	1,819,400	\$11,516,100
2 Outdoor Facilities Renovation	455,000	1,706,000	1,504,000	1,275,200	1,284,500	1,249,700	\$7,474,400
3 Athletics Facilities Renovation	886,000	683,000	784,000	913,200	922,500	887,700	\$5,076,400
4 Compliance with ADA	100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
5 Information Systems PC Replacement Plan	130,000	130,000	130,000	130,000	130,000	130,000	\$780,000
Administration Total	3,936,200	4,299,200	4,470,000	4,263,400	4,291,300	4,186,800	\$25,446,900
Department of Recreation Total:	3,936,200	4,299,200	4,470,000	4,263,400	4,291,300	4,186,800	\$25,446,900

2007-2012 Capital Improvement Program Projects by Agency

Section 1

General Capital		<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
<u>Department of Parks</u>								
<u>Planning, Design & Development</u>								
<u>Priority</u>	<u>Project Title</u>							
1	Park Infrastructure Rehabilitation	3,119,500	3,434,800	3,883,100	3,703,700	3,728,000	3,637,100	\$21,506,200
2	Cincinnati Riverfront Park	5,000,000	5,000,000					\$10,000,000
3	Master Plan Implementation	300,000	300,000					\$600,000
Planning, Design & Development Total		8,419,500	8,734,800	3,883,100	3,703,700	3,728,000	3,637,100	\$32,106,200
Department of Parks Total:		8,419,500	8,734,800	3,883,100	3,703,700	3,728,000	3,637,100	\$32,106,200
<u>Department of Buildings & Inspections</u>								
<u>Building Construction Inspect</u>								
<u>Priority</u>	<u>Project Title</u>							
1	Hazard Abatement/Demolition Program	130,900	175,100	357,200	149,400	193,400	378,900	\$1,384,900
3	Hzd Abtmnt/Demo Addl Funding	1,000,000						\$1,000,000
Building Construction Inspect Total		1,130,900	175,100	357,200	149,400	193,400	378,900	\$2,384,900
Department of Buildings & Inspections Total:		1,130,900	175,100	357,200	149,400	193,400	378,900	\$2,384,900
<u>Department of Police</u>								
<u>Police</u>								
<u>Priority</u>	<u>Project Title</u>							
3	Fire Suppression System	50,000						\$50,000
4	Impound Lot Security System		55,000					\$55,000
5	Stand Alone Phone Switch		75,000					\$75,000
6	E911 Palladium Stations			111,000				\$111,000
Police Total		50,000	130,000	111,000	0	0	0	\$291,000
Department of Police Total:		50,000	130,000	111,000	0	0	0	\$291,000
<u>Department of Fire</u>								
<u>Fire</u>								
<u>Priority</u>	<u>Project Title</u>							
2	Fire Equipment Enhancements	300,000	300,000	500,000	345,400	350,500	800,000	\$2,595,900
3	Defibrillator - Replacement	88,600	68,500	68,300	108,100	49,900	122,900	\$506,300
4	Exhaust System	68,100	177,900	199,800			109,200	\$555,000
5	Furnish/Appliances for New Firehouse	43,600						\$43,600
6	Air Compressor Replacement				88,400			\$88,400
4	Apparatus Door Closers					145,000		\$145,000
Fire Total		500,300	546,400	768,100	541,900	545,400	1,032,100	\$3,934,200

2007-2012 Capital Improvement Program Projects by Agency

Section 1

General Capital	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Department of Fire Total:	500,300	546,400	768,100	541,900	545,400	1,032,100	\$3,934,200
<u>Department of Transportation & Eng.</u>							
Office of the Director							
<u>Priority Project Title</u>							
1 Information Systems Acquisition	150,000	150,000	150,000	150,000	200,000	200,000	\$1,000,000
Office of the Director Total	150,000	150,000	150,000	150,000	200,000	200,000	\$1,000,000
<u>Department of Transportation & Eng.</u>							
Transportation Planning							
<u>Priority Project Title</u>							
6 OKI Corridor Studies	50,000	100,000	200,000	300,000	50,000	300,000	\$1,000,000
7 I-75/Brent Spence Bridge Studies	50,000	50,000	500,000	500,000	50,000	500,000	\$1,650,000
11 CBD Gateways/Greenways	300,000	100,000	100,000	100,000	100,000	100,000	\$800,000
14 Neighborhood Transportation Strategies	200,000	150,000	150,000	150,000	150,000	150,000	\$950,000
17 Gilbert Avenue Greenway	200,000		150,000	700,000	100,000	150,000	\$1,300,000
30 Safety Improvements	100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
32 Neighborhood Gateways	100,000	50,000	75,000	50,000	75,000	50,000	\$400,000
36 Skywalk Improvements	50,000	200,000	300,000	300,000	300,000	300,000	\$1,450,000
43 CBD Pedestrian & Parking Lot Signage	50,000	25,000	50,000	25,000	50,000	25,000	\$225,000
55 Convention Center Expansion	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	\$6,000,000
20 Riverfront Master Plan Coordination		50,000	50,000	50,000	25,000	25,000	\$200,000
29 Downtown Infrastructure Coordination		50,000	1,000,000	50,000	1,000,000	50,000	\$2,150,000
35 Central Riverfront Street Grid		440,000	560,000				\$1,000,000
45 Columbia Parkway Enhancements		100,000	400,000	200,000	400,000	200,000	\$1,300,000
48 Citywide Develop. Trans Enhancements		100,000	100,000	100,000	100,000	100,000	\$500,000
47 Clifton Avenue Islands			210,000	300,000	100,000	100,000	\$710,000
50 ML King/I-71 Interchange			250,000	250,000	500,000	500,000	\$1,500,000
51 Uptown Wayfinding System			200,000				\$200,000
52 Over-the-Rhine Streetscape Improvements			250,000	500,000	500,000	500,000	\$1,750,000
Transportation Planning Total	2,100,000	2,515,000	5,645,000	4,675,000	4,600,000	4,150,000	\$23,685,000
<u>Department of Transportation & Eng.</u>							
Engineering							
<u>Priority Project Title</u>							
2 SCIP Loan Repayment	96,200	96,200	250,000	250,000	250,000	250,000	\$1,192,400
4 Bridge Rehabilitation Program	1,100,000	1,100,000	1,300,000	1,400,000	1,400,000	1,500,000	\$7,800,000
5 Waldvogel Viaduct Replacement	3,000,000	3,000,000	922,200				\$6,922,200
8 Street Improvements	1,000,000	1,000,000	1,000,000	1,000,000	1,800,000	1,000,000	\$6,800,000

2007-2012 Capital Improvement Program Projects by Agency

Section 1

General Capital		<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
<u>Department of Transportation & Eng.</u>								
Engineering								
<u>Priority</u>	<u>Project Title</u>							
9	Street Rehabilitation	13,049,700	13,440,600	13,843,700	14,259,100	14,786,700	15,333,800	\$84,713,600
10	Curb Ramps - Street Rehab	500,000	514,400	530,000	555,000	565,000	580,000	\$3,244,400
13	Sidewalk Repair Program	500,000	500,000	700,000	800,000	800,000	800,000	\$4,100,000
15	Wall Stab. & Landslide Correction	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	\$6,000,000
16	Hillside Stairway Rehabilitation Program	250,000	250,000	250,000	250,000	250,000	250,000	\$1,500,000
19	Kennedy Connector	12,500,000	1,400,000					\$13,900,000
22	Hamilton Avenue Improvements Phase 1	380,000						\$380,000
23	Riverside Drive - Eggleston to Bains	1,000,000						\$1,000,000
24	Red Bank Road - Fair Lane to Brotherton	175,000	100,000					\$275,000
25	Colerain Corridor TSM Improvements	600,000	500,000	500,000	1,000,000	400,000	500,000	\$3,500,000
26	Columbia Parkway Access Management	250,000						\$250,000
27	Downtown Public Paver Replacement	50,000	50,000	50,000	50,000	50,000	50,000	\$300,000
28	Ohio River Trail - Carrel to Wilmer	300,000						\$300,000
31	Spot Infrastructure Replacement	500,000	500,000	740,000	740,000	740,000	740,000	\$3,960,000
38	Bicycle Transportation Program	100,000	100,000	100,000	122,400	208,200	152,500	\$783,100
39	Hamilton Avenue Improvements Phase 2	31,000	320,000	450,000				\$801,000
40	Montana Ave. Impr. - Boudinot to Farrell	100,000	400,000	500,000				\$1,000,000
44	Pavement Management	100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
46	Ohio River Trail - Congress to Carrel	462,000	100,000	100,000	100,000			\$762,000
41	Vine St. from Nixon to Erkenbrecher		700,000					\$700,000
42	Harrison Avenue Improvements		320,000	340,000	200,000			\$860,000
54	Ohio River Trail - Lumber to Corbin			100,000	50,000	50,000	50,000	\$250,000
49	Clifton and M. L. King Intersection Imp.				500,000	200,000		\$700,000
Engineering Total		37,043,900	25,491,200	22,775,900	22,376,500	22,599,900	22,306,300	\$152,593,700
<u>Department of Transportation & Eng.</u>								
Traffic Engineering								
<u>Priority</u>	<u>Project Title</u>							
3	Traffic Signal Installation & Renovation	1,000,000	1,000,000	1,500,000	1,500,000	1,500,000	1,500,000	\$8,000,000
12	Computerized Traffic Signal System	500,000	500,000	500,000	500,000	500,000	500,000	\$3,000,000
18	Downtown Street Lights	180,000						\$180,000
21	LED Traffic and Pedestrian Signals	450,000	450,000	450,000	450,000	450,000	450,000	\$2,700,000
33	Central Parkway Lighting Replacement	300,000	300,000	300,000				\$900,000
34	Traffic Signal Controllers & Detectors	125,000	125,000	125,000	125,000	125,000	125,000	\$750,000
37	Raised Pavement Markers	50,000	50,000	50,000	50,000	50,000	50,000	\$300,000

2007-2012 Capital Improvement Program Projects by Agency

Section 1

General Capital	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
<u>Department of Transportation & Eng.</u>							
<u>Traffic Engineering</u>							
<u>Priority Project Title</u>							
53 Street Light Replacement Project			300,000	500,000	500,000	500,000	\$1,800,000
Traffic Engineering Total	2,605,000	2,425,000	3,225,000	3,125,000	3,125,000	3,125,000	\$17,630,000
Department of Transportation & Eng. Total:	41,898,900	30,581,200	31,795,900	30,326,500	30,524,900	29,781,300	\$194,908,700
<u>Department of Enterprise Services</u>							
<u>Fleet Services</u>							
<u>Priority Project Title</u>							
1 Fleet Replacements	5,929,600	6,489,300	6,861,000	5,244,000	5,286,900	6,426,400	\$36,237,200
Fleet Services Total	5,929,600	6,489,300	6,861,000	5,244,000	5,286,900	6,426,400	\$36,237,200
Department of Enterprise Services Total:	5,929,600	6,489,300	6,861,000	5,244,000	5,286,900	6,426,400	\$36,237,200
<u>Department of Public Services</u>							
<u>Traffic & Road Operations</u>							
<u>Priority Project Title</u>							
5 Sign Replacement		416,000	831,000	520,900	606,100	424,400	\$2,798,400
Traffic & Road Operations Total	0	416,000	831,000	520,900	606,100	424,400	\$2,798,400
<u>Department of Public Services</u>							
<u>Neighborhood Operations</u>							
<u>Priority Project Title</u>							
3 Westfork Trash Compactor	60,000						\$60,000
4 Trash Receptacles	90,000	150,000	150,000	150,000	150,000	150,000	\$840,000
Neighborhood Operations Total	150,000	150,000	150,000	150,000	150,000	150,000	\$900,000
<u>Department of Public Services</u>							
<u>City Facility Management</u>							
<u>Priority Project Title</u>							
1 City Facility Renovations	2,158,700	2,200,000	2,150,000	2,200,000	2,150,000	2,200,000	\$13,058,700
2 Replacement Facilities	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	\$15,000,000
7 City Facility Hazard Correction	150,000	150,000					\$300,000
City Facility Management Total	4,808,700	4,850,000	4,650,000	4,700,000	4,650,000	4,700,000	\$28,358,700
Department of Public Services Total:	4,958,700	5,416,000	5,631,000	5,370,900	5,406,100	5,274,400	\$32,057,100
<u>Department of Health</u>							
<u>Office of the Commissioner</u>							
<u>Priority Project Title</u>							
1 Facilities Renovation & Repairs	282,300	380,300	408,200	386,600	449,500	378,600	\$2,285,500

2007-2012 Capital Improvement Program Projects by Agency

Section 1

General Capital		<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
<u>Department of Health</u>								
Office of the Commissioner								
<u>Priority</u>	<u>Project Title</u>							
3	Dental Equipment Replacement	70,000	70,000					\$140,000
5	Health Facilities ADA	60,000		60,000	60,000		60,000	\$240,000
7	Center Hill Gas & Leachate	100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
8	Env Mgmt System & Regulatory Compliance	25,000	25,000					\$50,000
9	Emergency Environmental Cleanup	10,000	20,000	20,000	20,000			\$70,000
10	Underground Storage Tanks	10,000	20,000	20,000	20,000			\$70,000
Office of the Commissioner Total		557,300	615,300	608,200	586,600	549,500	538,600	\$3,455,500
Department of Health Total:		557,300	615,300	608,200	586,600	549,500	538,600	\$3,455,500
Grand Total:		79,875,200	65,045,000	62,430,000	57,545,000	57,935,000	58,475,000	\$381,305,200

READER'S GUIDE (Section 2)

GENERAL CAPITAL

2007-2012 CAPITAL IMPROVEMENT PROGRAM PROJECTS by EXPENDITURE CATEGORY

This report sorts all projects for the 2007-2012 General Capital Budget by seven major expenditure categories as follows:

Debt Service Payments
Economic Development
Environment
Equipment
Housing & Neighborhood Development
Infrastructure (Smale Commission)
New Infrastructure

These expenditure categories are assigned based on the scope or type of activity the project entails. For example, a project that involves the purchase of computer hardware would be classified as equipment, while the renovation of a City health clinic would be classified under the Infrastructure (Smale Commission) category. This report is sorted by expenditure category, department, and the project priority assigned by the department. A yearly total for each category is provided, as well as a yearly grand total for the General Capital Budget. Dollar signs (\$) are used only in the far right 2007-2012 Total column of this report; however, all figures in this report reflect funding allocations.

2007-2012 Capital Improvement Program Projects by Expenditure Category

General Capital

Section 2

<u>Department</u>	<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Debt Service Payments									
Transportation & Eng.									
55		Convention Center Expansion	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	\$6,000,000
Debt Service Payments Total:			1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	\$6,000,000
Economic Development									
City Manager									
1		Retail/Commercial Opportunities	948,700	1,105,400	1,179,000	1,089,900	1,102,000	1,056,900	\$6,481,900
7		Economic Dev Opportunities	3,000,000						\$3,000,000
Community Development									
1		NBD Public Improvements	1,500,000	1,400,000	1,000,000	1,000,000	1,000,000	1,000,000	\$6,900,000
4		Commercial & Industrial Public Impvmts.	500,000	500,000	500,000	500,000	500,000	400,000	\$2,900,000
5		Community Development Focus District	400,000	500,000	500,000	400,000	400,000	350,000	\$2,550,000
6		SPUR	205,900	355,900	355,900	206,000	401,000	256,000	\$1,780,700
9		Enterprise Zone Admin. and Public Imp.	-	100,000	100,000	100,000	100,000	100,000	\$500,000
Transportation & Eng.									
14		Neighborhood Transportation Strategies	200,000	150,000	150,000	150,000	150,000	150,000	\$950,000
Economic Development Total:			6,754,600	4,111,300	3,784,900	3,445,900	3,653,000	3,312,900	\$25,062,600
Environment									
Health									
7		Center Hill Gas & Leachate	100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
8		Env Mgmt System & Regulatory Compliance	25,000	25,000					\$50,000
9		Emergency Environmental Cleanup	10,000	20,000	20,000	20,000			\$70,000
10		Underground Storage Tanks	10,000	20,000	20,000	20,000			\$70,000
Environment Total:			145,000	165,000	140,000	140,000	100,000	100,000	\$790,000
Equipment									
Enterprise Services									
1		Fleet Replacements	5,929,600	6,489,300	6,861,000	5,244,000	5,286,900	6,426,400	\$36,237,200
Finance									
1		Postage Meter	83,300						\$83,300
2		AMS - CFS Procurement Software Upgrade	60,000						\$60,000

2007-2012 Capital Improvement Program

Projects by Expenditure Category

General Capital

Section 2

<u>Department</u>	<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment									
	7	Income Tax Collection Software		124,300	160,000				\$284,300
	8	Licensing Software & A/R Collection Sys.			50,000				\$50,000
Fire									
	2	Fire Equipment Enhancements	300,000	300,000	500,000	345,400	350,500	800,000	\$2,595,900
	3	Defibrillator - Replacement	88,600	68,500	68,300	108,100	49,900	122,900	\$506,300
	4	Exhaust System	68,100	177,900	199,800			109,200	\$555,000
	5	Furnish/Appliances for New Firehouse	43,600						\$43,600
	6	Air Compressor Replacement				88,400			\$88,400
	4	Apparatus Door Closers					145,000		\$145,000
Health									
	3	Dental Equipment Replacement	70,000	70,000					\$140,000
Police									
	3	Fire Suppression System	50,000						\$50,000
	4	Impound Lot Security System		55,000					\$55,000
	5	Stand Alone Phone Switch		75,000					\$75,000
	6	E911 Palladium Stations			111,000				\$111,000
Public Services									
	3	Westfork Trash Compactor	60,000						\$60,000
	4	Trash Receptacles	90,000	150,000	150,000	150,000	150,000	150,000	\$840,000
Recreation									
	5	Information Systems PC Replacement Plan	130,000	130,000	130,000	130,000	130,000	130,000	\$780,000
Regional Computer Center									
	1	Communications Master Plan	75,000	415,200	355,800				\$846,000
	2	CAGIS Infrastructure	98,600	40,000	40,000	98,600	98,600	98,600	\$474,400
	3	CFS Client Server	100,000	50,000	50,000	200,000	100,000	100,000	\$600,000
	4	Active Directory / Server Consolidation	168,000		50,000		168,000	50,000	\$436,000
	5	Data Infrastructure Security	184,600	148,400	133,500	133,500	133,500	200,000	\$933,500
	6	Electronic Government	319,700	234,600					\$554,300
	7	Desktop Asset Management		50,000	50,000	50,000	50,000	50,000	\$250,000

2007-2012 Capital Improvement Program

Projects by Expenditure Category

General Capital

Section 2

<u>Department</u>	<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment									
9		Telephone System Upgrade and Replacement			50,000	50,000	50,000	50,000	\$200,000
Transportation & Eng.									
1		Information Systems Acquisition	150,000	150,000	150,000	150,000	200,000	200,000	\$1,000,000
		Equipment Total:	8,069,100	8,728,200	9,109,400	6,748,000	6,912,400	8,487,100	\$48,054,200
Housing & Neighborhood Development									
Buildings & Inspections									
1		Hazard Abatement/Demolition Program	130,900	175,100	357,200	149,400	193,400	378,900	\$1,384,900
3		Hzd Abtmnt/Demo Addl Funding	1,000,000						\$1,000,000
City Manager									
2		Downtown Housing Development	650,000	650,000	650,000	650,000	650,000	650,000	\$3,900,000
Community Development									
2		Neighborhood Market Rate Housing	1,300,000	683,900	1,000,000	991,000	1,000,000	1,000,000	\$5,974,900
3		Strategic Housing Initiatives Program	800,000	800,000	1,488,100	800,000	1,329,400	700,000	\$5,917,500
12		Neigh. Housing/Commercial Dev.	2,000,000						\$2,000,000
8		Citirama		800,000		700,000		799,500	\$2,299,500
		Housing & Neighborhood Development Total:	5,880,900	3,109,000	3,495,300	3,290,400	3,172,800	3,528,400	\$22,476,800
Infrastructure (Smale Comm'n.)									
City Manager									
3		Findlay Market Improvements	100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
Health									
1		Facilities Renovation & Repairs	282,300	380,300	408,200	386,600	449,500	378,600	\$2,285,500
5		Health Facilities ADA	60,000		60,000	60,000		60,000	\$240,000
Parks									
1		Park Infrastructure Rehabilitation	3,119,500	3,434,800	3,883,100	3,703,700	3,728,000	3,637,100	\$21,506,200
3		Master Plan Implementation	300,000	300,000					\$600,000
Public Services									
1		City Facility Renovations	2,158,700	2,200,000	2,150,000	2,200,000	2,150,000	2,200,000	\$13,058,700
2		Replacement Facilities	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	\$15,000,000
7		City Facility Hazard Correction	150,000	150,000					\$300,000

2007-2012 Capital Improvement Program Projects by Expenditure Category

General Capital

Section 2

<u>Department</u>	<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Infrastructure (Smale Comm'n.)									
Recreation									
1		Recreation Facilities Renovation	2,365,200	1,680,200	1,952,000	1,845,000	1,854,300	1,819,400	\$11,516,100
2		Outdoor Facilities Renovation	455,000	1,706,000	1,504,000	1,275,200	1,284,500	1,249,700	\$7,474,400
3		Athletics Facilities Renovation	886,000	683,000	784,000	913,200	922,500	887,700	\$5,076,400
4		Compliance with ADA	100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
Transportation & Eng.									
2		SCIP Loan Repayment	96,200	96,200	250,000	250,000	250,000	250,000	\$1,192,400
3		Traffic Signal Installation & Renovation	1,000,000	1,000,000	1,500,000	1,500,000	1,500,000	1,500,000	\$8,000,000
4		Bridge Rehabilitation Program	1,100,000	1,100,000	1,300,000	1,400,000	1,400,000	1,500,000	\$7,800,000
5		Waldvogel Viaduct Replacement	3,000,000	3,000,000	922,200				\$6,922,200
6		OKI Corridor Studies	50,000	100,000	200,000	300,000	50,000	300,000	\$1,000,000
7		I-75/Brent Spence Bridge Studies	50,000	50,000	500,000	500,000	50,000	500,000	\$1,650,000
8		Street Improvements	1,000,000	1,000,000	1,000,000	1,000,000	1,800,000	1,000,000	\$6,800,000
9		Street Rehabilitation	13,049,700	13,440,600	13,843,700	14,259,100	14,786,700	15,333,800	\$84,713,600
10		Curb Ramps - Street Rehab	500,000	514,400	530,000	555,000	565,000	580,000	\$3,244,400
12		Computerized Traffic Signal System	500,000	500,000	500,000	500,000	500,000	500,000	\$3,000,000
13		Sidewalk Repair Program	500,000	500,000	700,000	800,000	800,000	800,000	\$4,100,000
15		Wall Stab. & Landslide Correction	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	\$6,000,000
16		Hillside Stairway Rehabilitation Program	250,000	250,000	250,000	250,000	250,000	250,000	\$1,500,000
18		Downtown Street Lights	180,000						\$180,000
21		LED Traffic and Pedestrian Signals	450,000	450,000	450,000	450,000	450,000	450,000	\$2,700,000
24		Red Bank Road - Fair Lane to Brotherton	175,000	100,000					\$275,000
25		Colerain Corridor TSM Improvements	600,000	500,000	500,000	1,000,000	400,000	500,000	\$3,500,000
26		Columbia Parkway Access Management	250,000						\$250,000
30		Safety Improvements	100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
31		Spot Infrastructure Replacement	500,000	500,000	740,000	740,000	740,000	740,000	\$3,960,000
34		Traffic Signal Controllers & Detectors	125,000	125,000	125,000	125,000	125,000	125,000	\$750,000
36		Skywalk Improvements	50,000	200,000	300,000	300,000	300,000	300,000	\$1,450,000
38		Bicycle Transportation Program	100,000	100,000	100,000	122,400	208,200	152,500	\$783,100
44		Pavement Management	100,000	100,000	100,000	100,000	100,000	100,000	\$600,000

2007-2012 Capital Improvement Program

Projects by Expenditure Category

General Capital

Section 2

<u>Department</u>	<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Infrastructure (Smale Comm'n.)									
29		Downtown Infrastructure Coordination		50,000	1,000,000	50,000	1,000,000	50,000	\$2,150,000
41		Vine St. from Nixon to Erkenbrecher		700,000					\$700,000
45		Columbia Parkway Enhancements		100,000	400,000	200,000	400,000	200,000	\$1,300,000
49		Clifton and M. L. King Intersection Imp.				500,000	200,000		\$700,000
Infrastructure (Smale Comm'n.) Total:			37,202,600	38,810,500	39,752,200	39,085,200	40,063,700	39,163,800	\$234,078,000
New Infrastructure									
Parks									
2		Cincinnati Riverfront Park	5,000,000	5,000,000					\$10,000,000
Public Services									
5		Sign Replacement		416,000	831,000	520,900	606,100	424,400	\$2,798,400
Regional Computer Center									
10		Info Technology Strategic Initiative			132,200	289,600	227,000	258,400	\$907,200
Transportation & Eng.									
11		CBD Gateways/Greenways	300,000	100,000	100,000	100,000	100,000	100,000	\$800,000
17		Gilbert Avenue Greenway	200,000		150,000	700,000	100,000	150,000	\$1,300,000
19		Kennedy Connector	12,500,000	1,400,000					\$13,900,000
22		Hamilton Avenue Improvements Phase 1	380,000						\$380,000
23		Riverside Drive - Eggleston to Bains	1,000,000						\$1,000,000
27		Downtown Public Paver Replacement	50,000	50,000	50,000	50,000	50,000	50,000	\$300,000
28		Ohio River Trail - Carrel to Wilmer	300,000						\$300,000
32		Neighborhood Gateways	100,000	50,000	75,000	50,000	75,000	50,000	\$400,000
33		Central Parkway Lighting Replacement	300,000	300,000	300,000				\$900,000
37		Raised Pavement Markers	50,000	50,000	50,000	50,000	50,000	50,000	\$300,000
39		Hamilton Avenue Improvements Phase 2	31,000	320,000	450,000				\$801,000
40		Montana Ave. Impr. - Boudinot to Farrell	100,000	400,000	500,000				\$1,000,000
43		CBD Pedestrian & Parking Lot Signage	50,000	25,000	50,000	25,000	50,000	25,000	\$225,000
46		Ohio River Trail - Congress to Carrel	462,000	100,000	100,000	100,000			\$762,000
20		Riverfront Master Plan Coordination		50,000	50,000	50,000	25,000	25,000	\$200,000
35		Central Riverfront Street Grid		440,000	560,000				\$1,000,000

2007-2012 Capital Improvement Program Projects by Expenditure Category

General Capital

Section 2

<u>Department</u>	<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
New Infrastructure									
42		Harrison Avenue Improvements		320,000	340,000	200,000			\$860,000
48		Citywide Develop. Trans Enhancements		100,000	100,000	100,000	100,000	100,000	\$500,000
47		Clifton Avenue Islands			210,000	300,000	100,000	100,000	\$710,000
50		ML King/I-71 Interchange			250,000	250,000	500,000	500,000	\$1,500,000
51		Uptown Wayfinding System			200,000				\$200,000
52		Over-the-Rhine Streetscape Improvements			250,000	500,000	500,000	500,000	\$1,750,000
53		Street Light Replacement Project			300,000	500,000	500,000	500,000	\$1,800,000
54		Ohio River Trail - Lumber to Corbin			100,000	50,000	50,000	50,000	\$250,000
New Infrastructure Total:			20,823,000	9,121,000	5,148,200	3,835,500	3,033,100	2,882,800	\$44,843,600
Total: General Capital			79,875,200	65,045,000	62,430,000	57,545,000	57,935,000	58,475,000	\$381,305,200

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READER'S GUIDE (Section 3)

ALL FUNDS

2007/2008 CAPITAL IMPROVEMENT PROGRAM PROJECTS by NEIGHBORHOOD

This report provides the budget amounts for all the projects approved for each of the City's 52 recognized neighborhoods, as well as project allocations that are Citywide or Systemwide for all funds. Citywide projects are those projects which benefit all 52 neighborhoods, while the Systemwide projects are those that benefit all 52 neighborhoods, as well as areas in Hamilton County and areas outside the City and the County. These designations are assigned to each project by the departments. Projects are for the 2007/2008 Biennial Capital Budget, with approved projects identified by Department and the project departmental priority. Projects include General Capital projects, as well as Restricted Fund Capital projects. Dollar signs (\$) are used only in the far right 2007/2008 Total column of this report; however, all figures in this report reflect funding allocations.

2007-2012 Capital Improvement Program Projects by Neighborhood

Section 3

<u>Neighborhood</u>	<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2007-2008 Total</u>
Agency					
Avondale					
Health	1	Facilities Renovation & Repairs		380,300	\$380,300
		General Capital Total:	0	380,300	\$380,300
Sewers	58	Dellway Ave Sewer Replacement Easements	75,000	2,832,700	\$2,907,700
Sewers	66	Harvey Ave Sewer Replacement	493,700		\$493,700
Sewers	71	670 Rockdale Sewer Replacement	537,100		\$537,100
Sewers	75	Beldare Ave/Hale Ave Lateral Repairs	133,600		\$133,600
Sewers	77	Burnet Ave/Northern Ave Replacement	431,300		\$431,300
Sewers	78	Bathgate St/Whittier St Lateral/Mainline	181,400		\$181,400
Sewers	79	Blair/Erkenbrecher Lateral/Mainline Rep.	311,000		\$311,000
Sewers	80	Glenwood Ave @ Washington Ave Sewer Dsg.	16,700	85,200	\$101,900
Sewers	84	Eden Ave. Lateral & Mainline Repair	309,500		\$309,500
Sewers	97	Glenwood Ave. Sewer Repair	911,300		\$911,300
		MSD Capital Improvements Total:	3,400,600	2,917,900	\$6,318,500
		Avondale Total:	3,400,600	3,298,200	\$6,698,800
Bond Hill					
Fire	5	Furnish/Appliances for New Firehouse	43,600		\$43,600
Transportation & Eng.	41	Vine St. from Nixon to Erkenbrecher		700,000	\$700,000
		General Capital Total:	43,600	700,000	\$743,600
		Bond Hill Total:	43,600	700,000	\$743,600
Camp Washington					
Public Services	3	Westfork Trash Compactor	60,000		\$60,000
Recreation	1	Recreation Facilities Renovation	591,300		\$591,300
Transportation & Eng.	33	Central Parkway Lighting Replacement	300,000	300,000	\$600,000
		General Capital Total:	951,300	300,000	\$1,251,300
Sewers	134	CSO 194 High Point Sewer Separation		263,300	\$263,300
Sewers	135	CSO 195 Westwood Northern Sewer Separ.		178,700	\$178,700
Sewers	136	CSO 525 Mt. Airy Grating Sewer Separ.		153,800	\$153,800
		MSD Capital Improvements Total:	0	595,800	\$595,800
		Camp Washington Total:	951,300	895,800	\$1,847,100
Carthage					
Sewers	3	CSO 37 Maple Street Diversion Dam Impr.	194,500		\$194,500

2007-2012 Capital Improvement Program Projects by Neighborhood

Section 3

<u>Neighborhood</u>	<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2007-2008 Total</u>
Agency					
Carthage					
Sewers	4	CSO 39 64th St Diversion Dam Improvement	104,400		\$104,400
Sewers	50	National Distilleries Sewer Replacement	304,100		\$304,100
		MSD Capital Improvements Total:	603,000	0	\$603,000
		Carthage Total:	603,000	0	\$603,000
Citywide					
Buildings & Inspections	1	Hazard Abatement/Demolition Program	130,900	175,100	\$306,000
Buildings & Inspections	3	Hzd Abtmnt/Demo Addl Funding	1,000,000		\$1,000,000
City Manager	1	Retail/Commercial Opportunities	948,700	1,105,400	\$2,054,100
City Manager	7	Economic Dev Opportunities	3,000,000		\$3,000,000
Community Development	1	NBD Public Improvements	1,500,000	1,400,000	\$2,900,000
Community Development	2	Neighborhood Market Rate Housing	1,300,000	683,900	\$1,983,900
Community Development	3	Strategic Housing Initiatives Program	800,000	800,000	\$1,600,000
Community Development	4	Commercial & Industrial Public Impvmts.	500,000	500,000	\$1,000,000
Community Development	5	Community Development Focus District	400,000	500,000	\$900,000
Community Development	6	SPUR	205,900	355,900	\$561,800
Community Development	8	Citirama		800,000	\$800,000
Community Development	9	Enterprise Zone Admin. and Public Imp.		100,000	\$100,000
Community Development	12	Neigh. Housing/Commercial Dev.	2,000,000		\$2,000,000
Finance	1	Postage Meter	83,300		\$83,300
Fire	2	Fire Equipment Enhancements	300,000	300,000	\$600,000
Fire	3	Defibrillator - Replacement	88,600	68,500	\$157,100
Fire	4	Exhaust System	68,100	177,900	\$246,000
Health	7	Center Hill Gas & Leachate	100,000	100,000	\$200,000
Health	8	Env Mgmt System & Regulatory Compliance	25,000	25,000	\$50,000
Health	9	Emergency Environmental Cleanup	10,000	20,000	\$30,000
Health	10	Underground Storage Tanks	10,000	20,000	\$30,000
Police	4	Impound Lot Security System		55,000	\$55,000
Police	5	Stand Alone Phone Switch		75,000	\$75,000
Public Services	1	City Facility Renovations	2,158,700	2,200,000	\$4,358,700
Public Services	2	Replacement Facilities	2,500,000	2,500,000	\$5,000,000
Public Services	4	Trash Receptacles	90,000	150,000	\$240,000
Public Services	5	Sign Replacement		416,000	\$416,000

2007-2012 Capital Improvement Program Projects by Neighborhood

Section 3

<u>Neighborhood</u>	<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2007-2008 Total</u>
Agency					
Citywide					
Public Services	7	City Facility Hazard Correction	150,000	150,000	\$300,000
Recreation	1	Recreation Facilities Renovation	591,300	1,680,200	\$2,271,500
Recreation	2	Outdoor Facilities Renovation	227,500	1,706,000	\$1,933,500
Recreation	3	Athletics Facilities Renovation	443,000	683,000	\$1,126,000
Recreation	4	Compliance with ADA		100,000	\$100,000
Recreation	5	Information Systems PC Replacement Plan	130,000	130,000	\$260,000
Regional Computer Center	7	Desktop Asset Management		50,000	\$50,000
Transportation & Eng.	6	OKI Corridor Studies	50,000	100,000	\$150,000
Transportation & Eng.	11	CBD Gateways/Greenways	300,000	100,000	\$400,000
Transportation & Eng.	13	Sidewalk Repair Program	500,000	500,000	\$1,000,000
Transportation & Eng.	30	Safety Improvements	100,000	100,000	\$200,000
Transportation & Eng.	32	Neighborhood Gateways	100,000	50,000	\$150,000
General Capital Total:			19,811,000	17,876,900	\$37,687,900
Transportation & Eng.	1	Transit/Rail Corridor Preservation Acq.	100,000	100,000	\$200,000
Income Tax Transit Total:			100,000	100,000	\$200,000
Sewers	13	Combined Sewer System Capacity Program	6,210,000	6,427,400	\$12,637,400
Sewers	22	Water in Basement Prevention Program	1,612,400	1,668,800	\$3,281,200
Sewers	28	WWT Telemetry Replacement	3,517,700		\$3,517,700
MSD Capital Improvements Total:			11,340,100	8,096,200	\$19,436,300
Enterprise Services	3	Parking Revenue Control Enhancements		200,000	\$200,000
Parking Facilities Total:			0	200,000	\$200,000
Sewers	1	Barrier Dam Motor Rewind Phase IV	1,100,000		\$1,100,000
Sewers	3	Barrier Dam Facility Repairs	200,000	181,000	\$381,000
Stormwater Management Total:			1,300,000	181,000	\$1,481,000
Regional Computer Center	0	Radio Communications Equipment	30,000	30,000	\$60,000
Telecommunications Services Total:			30,000	30,000	\$60,000
Water Works	37	Reconfigure RMTP Entrance & Guard Shack	200,000	900,000	\$1,100,000
Water Works Total:			200,000	900,000	\$1,100,000
Citywide Total:			32,781,100	27,384,100	\$60,165,200
Clifton					
Sewers	11	CSO 482 Mitchell Avenue Outfall	2,150,400		\$2,150,400

2007-2012 Capital Improvement Program Projects by Neighborhood

Section 3

<u>Neighborhood</u>	<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2007-2008 Total</u>
Agency					
Clifton					
Sewers	81	Ravine St Sewer Replacement	277,800		\$277,800
		MSD Capital Improvements Total:	2,428,200	0	\$2,428,200
		Clifton Total:	2,428,200	0	\$2,428,200
College Hill					
Sewers	2	Glenview Ave. Drainage Improvement	45,000		\$45,000
		Stormwater Management Total:	45,000	0	\$45,000
		College Hill Total:	45,000	0	\$45,000
Columbia Tusculum					
Transportation & Eng.	45	Columbia Parkway Enhancements		50,000	\$50,000
		General Capital Total:	0	50,000	\$50,000
Sewers	7	Eastern/Delta Sewer Separation Ph 1	15,157,400		\$15,157,400
Sewers	125	Eastern/Delta Sewer Separation Ph 2		16,364,200	\$16,364,200
Sewers	126	Eastern/Delta Sewer Separation Ph 3		10,972,300	\$10,972,300
Sewers	127	Eastern/Delta Sewer Separation Ph 4		3,143,800	\$3,143,800
		MSD Capital Improvements Total:	15,157,400	30,480,300	\$45,637,700
		Columbia Tusculum Total:	15,157,400	30,530,300	\$45,687,700
Downtown					
Enterprise Services	1	Furniture, Fixtures, and Equipment	120,000	105,000	\$225,000
Enterprise Services	2	Capital Maintenance	50,000	125,000	\$175,000
		Convention Center Total:	170,000	230,000	\$400,000
City Manager	2	Downtown Housing Development	650,000	650,000	\$1,300,000
Parks	2	Cincinnati Riverfront Park	5,000,000	5,000,000	\$10,000,000
Recreation	3	Athletics Facilities Renovation	88,600		\$88,600
Transportation & Eng.	7	I-75/Brent Spence Bridge Studies	50,000	50,000	\$100,000
Transportation & Eng.	18	Downtown Street Lights	180,000		\$180,000
Transportation & Eng.	20	Riverfront Master Plan Coordination		50,000	\$50,000
Transportation & Eng.	27	Downtown Public Paver Replacement	50,000	50,000	\$100,000
Transportation & Eng.	29	Downtown Infrastructure Coordination		50,000	\$50,000
Transportation & Eng.	35	Central Riverfront Street Grid		440,000	\$440,000
Transportation & Eng.	36	Skywalk Improvements	50,000	200,000	\$250,000
Transportation & Eng.	43	CBD Pedestrian & Parking Lot Signage	50,000	25,000	\$75,000

2007-2012 Capital Improvement Program Projects by Neighborhood

Section 3

<u>Neighborhood</u>	<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2007-2008 Total</u>
Agency					
Downtown					
Transportation & Eng.	55	Convention Center Expansion	1,000,000	1,000,000	\$2,000,000
		General Capital Total:	7,118,600	7,515,000	\$14,633,600
Enterprise Services	1	Structural Maintenance & Repair	200,000	450,000	\$650,000
		Parking Facilities Total:	200,000	450,000	\$650,000
		Downtown Total:	7,488,600	8,195,000	\$15,683,600
East End					
Transportation & Eng.	1	Airport Infrastructure Improvements	140,000	140,000	\$280,000
Transportation & Eng.	2	FAA/ODOT Local Match	170,000	180,000	\$350,000
Transportation & Eng.	3	Facility Improvements	150,000	160,000	\$310,000
Transportation & Eng.	4	Noise Monitoring and Abatement	25,000	25,000	\$50,000
		General Aviation Total:	485,000	505,000	\$990,000
Transportation & Eng.	23	Riverside Drive - Eggleston to Bains	1,000,000		\$1,000,000
Transportation & Eng.	26	Columbia Parkway Access Management	250,000		\$250,000
Transportation & Eng.	28	Ohio River Trail - Carrel to Wilmer	300,000		\$300,000
Transportation & Eng.	45	Columbia Parkway Enhancements		50,000	\$50,000
Transportation & Eng.	46	Ohio River Trail - Congress to Carrel	462,000	100,000	\$562,000
		General Capital Total:	2,012,000	150,000	\$2,162,000
Sewers	1	1852 Columbia Parkway Sewer Separation D	243,400	1,807,600	\$2,051,000
Sewers	23	Misc. HVAC Repair at LMTP and MCIP	500,000		\$500,000
Sewers	27	LMWWTP Primary/Secondary Tank Rechaining	9,243,700		\$9,243,700
Sewers	37	LMWWTP Waste-Activated Sludge Thickening	2,412,300		\$2,412,300
		MSD Capital Improvements Total:	12,399,400	1,807,600	\$14,207,000
		East End Total:	14,896,400	2,462,600	\$17,359,000
East Walnut Hills					
Parks	3	Master Plan Implementation	150,000	150,000	\$300,000
		General Capital Total:	150,000	150,000	\$300,000
Sewers	1	1852 Columbia Parkway Sewer Separation D	243,400	1,807,600	\$2,051,000
Sewers	9	Krohn Conservatory Sewer Relocation	280,500		\$280,500
Sewers	137	CSO 471 Grandin Rd Regulator Improvement		16,900	\$16,900
Sewers	138	CSO 470 Eastern Ave Sewer Separation		98,100	\$98,100
		MSD Capital Improvements Total:	523,900	1,922,600	\$2,446,500

2007-2012 Capital Improvement Program

Projects by Neighborhood

Section 3

<u>Neighborhood</u>	<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2007-2008</u> <u>Total</u>
Agency					
East Walnut Hills					
		East Walnut Hills Total:	673,900	2,072,600	\$2,746,500
Evanston					
Parks	3	Master Plan Implementation	150,000	150,000	\$300,000
		General Capital Total:	150,000	150,000	\$300,000
Sewers	72	Graydon Ave Lateral & Mainline Repair	148,300		\$148,300
Sewers	74	Woodburn Ave Sewer Replacement Design	200,700	1,260,900	\$1,461,600
Sewers	140	Kinney Ave Overflow Removal		401,700	\$401,700
		MSD Capital Improvements Total:	349,000	1,662,600	\$2,011,600
		Evanston Total:	499,000	1,812,600	\$2,311,600
Hartwell					
Recreation	1	Recreation Facilities Renovation	1,182,600		\$1,182,600
Recreation	4	Compliance with ADA	100,000		\$100,000
		General Capital Total:	1,282,600	0	\$1,282,600
		Hartwell Total:	1,282,600	0	\$1,282,600
Hyde Park					
Sewers	54	Forestoak Court Sewer Replacement	45,000	482,000	\$527,000
Sewers	139	Broadview Dr & Country Club Pl Sewer Sep		2,544,800	\$2,544,800
		MSD Capital Improvements Total:	45,000	3,026,800	\$3,071,800
		Hyde Park Total:	45,000	3,026,800	\$3,071,800
Kennedy Heights					
Sewers	69	Coleridge Ave Sewer Replacement Design	82,800	269,400	\$352,200
		MSD Capital Improvements Total:	82,800	269,400	\$352,200
		Kennedy Heights Total:	82,800	269,400	\$352,200
Lower Price Hill					
Health	1	Facilities Renovation & Repairs	141,150		\$141,150
Transportation & Eng.	5	Waldvogel Viaduct Replacement	3,000,000	3,000,000	\$6,000,000
		General Capital Total:	3,141,150	3,000,000	\$6,141,150
Sewers	23	Misc. HVAC Repair at LMTP and MC'TP	500,000		\$500,000
Sewers	24	Mill Creek Sodium Hypochlorite Facility	2,080,200		\$2,080,200
Sewers	26	MillCrkTP Aeration Tanks Diffusers Repl	171,200	2,813,900	\$2,985,100

2007-2012 Capital Improvement Program Projects by Neighborhood

Section 3

<u>Neighborhood</u>	<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2007-2008 Total</u>
Agency					
Lower Price Hill					
Sewers	29	MSD Administration Bldg Rehab Ph 3	6,151,000		\$6,151,000
Sewers	31	MillCrk TP PwrPlnt Bld Asbestos Removal	521,800		\$521,800
Sewers	34	Mill Crk WWTP Anaerobic Digester Conv		617,200	\$617,200
Sewers	36	Mill Crk TP Prelim/Primary Treatment Imp		23,825,600	\$23,825,600
Sewers	39	MillCrkTP Chemically-Enhanced Primry	476,500		\$476,500
Sewers	40	Mill Creek WWTP Facility Plan Study	334,300		\$334,300
Sewers	41	Service Building Infrastructure	225,000		\$225,000
Sewers	42	Paint Shop Building	38,000		\$38,000
Sewers	43	MSD Garage Infrastructure Repair	460,000		\$460,000
Sewers	141	Mill Crk Centralized Operational Monitor		23,000	\$23,000
Sewers	142	Mill Crk WWTP Additional Thickening Ctr.		22,100	\$22,100
MSD Capital Improvements Total:			10,958,000	27,301,800	\$38,259,800
Lower Price Hill Total:			14,099,150	30,301,800	\$44,400,950
Madisonville					
Sewers	65	Oaklawn Dr Sewer Replacement	47,800	212,900	\$260,700
Sewers	76	Charlemar Dr Sewer Replacement Design	118,600	414,800	\$533,400
MSD Capital Improvements Total:			166,400	627,700	\$794,100
Madisonville Total:			166,400	627,700	\$794,100
Millvale					
Health	3	Dental Equipment Replacement	70,000	70,000	\$140,000
General Capital Total:			70,000	70,000	\$140,000
Millvale Total:			70,000	70,000	\$140,000
Mt. Adams					
Recreation	2	Outdoor Facilities Renovation	113,750		\$113,750
General Capital Total:			113,750	0	\$113,750
Sewers	9	Krohn Conservatory Sewer Relocation	280,500		\$280,500
MSD Capital Improvements Total:			280,500	0	\$280,500
Mt. Adams Total:			394,250	0	\$394,250
Mt. Airy					
Recreation	3	Athletics Facilities Renovation	88,600		\$88,600

2007-2012 Capital Improvement Program Projects by Neighborhood

Section 3

<u>Neighborhood</u>	<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2007-2008 Total</u>
Agency					
Mt. Airy					
Transportation & Eng.	22	Hamilton Avenue Improvements Phase 1	380,000		\$380,000
Transportation & Eng.	39	Hamilton Avenue Improvements Phase 2	31,000	320,000	\$351,000
		General Capital Total:	499,600	320,000	\$819,600
		Mt. Airy Total:	499,600	320,000	\$819,600
Mt. Washington					
Sewers	57	Mt Wshington PS Upgrade Design	195,400	587,500	\$782,900
		MSD Capital Improvements Total:	195,400	587,500	\$782,900
Sewers	6	2632 Mendova Ln Storm Sewer Replacement		50,000	\$50,000
		Stormwater Management Total:	0	50,000	\$50,000
		Mt. Washington Total:	195,400	637,500	\$832,900
Northside					
Transportation & Eng.	25	Colerain Corridor TSM Improvements	600,000	500,000	\$1,100,000
		General Capital Total:	600,000	500,000	\$1,100,000
Sewers	10	CSO 125 Badgeley Run Outfall	2,240,400		\$2,240,400
		MSD Capital Improvements Total:	2,240,400	0	\$2,240,400
Sewers	5	West Fork Channel Repair	60,000		\$60,000
		Stormwater Management Total:	60,000	0	\$60,000
		Northside Total:	2,900,400	500,000	\$3,400,400
Oakley					
Transportation & Eng.	19	Kennedy Connector	12,500,000	1,400,000	\$13,900,000
		General Capital Total:	12,500,000	1,400,000	\$13,900,000
		Oakley Total:	12,500,000	1,400,000	\$13,900,000
Over-the-Rhine					
City Manager	3	Findlay Market Improvements	100,000	100,000	\$200,000
Health	1	Facilities Renovation & Repairs	141,150		\$141,150
		General Capital Total:	241,150	100,000	\$341,150
Enterprise Services	5	Gateway Garage Capital Improvements	50,000	50,000	\$100,000
		Parking Facilities Total:	50,000	50,000	\$100,000
		Over-the-Rhine Total:	291,150	150,000	\$441,150

2007-2012 Capital Improvement Program Projects by Neighborhood

Section 3

<u>Neighborhood</u>	<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2007-2008 Total</u>
Agency					
Pleasant Ridge					
Transportation & Eng.	24	Red Bank Road - Fair Lane to Brotherton	175,000	100,000	\$275,000
		General Capital Total:	175,000	100,000	\$275,000
Sewers	52	Losantiville Rd & Schubert Ave Sewer Re	692,300		\$692,300
Sewers	63	Montgomery Rd and Lester Rd Sewer	2,299,900		\$2,299,900
		MSD Capital Improvements Total:	2,992,200	0	\$2,992,200
Sewers	10	Ridgeland Place Storm Sewer Replacement		100,000	\$100,000
		Stormwater Management Total:	0	100,000	\$100,000
		Pleasant Ridge Total:	3,167,200	200,000	\$3,367,200
Riverside					
Sewers	6	E Br Muddy Crk Interceptor Reloc Ph I	29,518,400		\$29,518,400
Sewers	8	E Br Muddy Crk CSO Reloc/Elim Ph I West	1,693,300		\$1,693,300
Sewers	62	Hillside Ave to River Rd R/W Sewer Rep.	46,000	291,400	\$337,400
Sewers	68	Bender Road Aerial Crossing Sewer Repl.	792,000		\$792,000
Sewers	104	Palisades Park PS 1&2 Elimination	547,600		\$547,600
		MSD Capital Improvements Total:	32,597,300	291,400	\$32,888,700
		Riverside Total:	32,597,300	291,400	\$32,888,700
Roselawn					
Sewers	2	CSO 191 Production Drive Grating Mods.	171,600		\$171,600
		MSD Capital Improvements Total:	171,600	0	\$171,600
		Roselawn Total:	171,600	0	\$171,600
Sayler Park					
Recreation	3	Athletics Facilities Renovation	132,900		\$132,900
		General Capital Total:	132,900	0	\$132,900
Sewers	15	CSO 402 Topinabee Dr Regulator Imp Plng.	32,300	261,700	\$294,000
Sewers	16	CSO 403 Elco St Diversion Dam Regulator	32,300	261,700	\$294,000
Sewers	17	CSO 404 Ivanhoe St Regulator Imp Plan	32,300	261,700	\$294,000
Sewers	18	CSO 405 Revere St Regulator Imp Plan	32,300	261,700	\$294,000
Sewers	19	CSO 406 Kennebec St Regulator Imp Plan	32,300	261,700	\$294,000
Sewers	21	Hillside Ave Storage & Conveyance Tunnel	8,268,400	14,358,300	\$22,626,700
Sewers	30	Muddy Creek WWTP Facility Study	351,600		\$351,600
Sewers	33	Muddy Crk WWTP Secondary Treatment Flow	10,770,600		\$10,770,600

2007-2012 Capital Improvement Program

Projects by Neighborhood

Section 3

<u>Neighborhood</u>	<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2007-2008</u> <u>Total</u>
Agency					
Sayler Park					
Sewers	38	Muddy CrkTP Influent/Effluent Pumping	3,474,500		\$3,474,500
Sewers	110	River Rd near Muddy Crk WWTP Conveyance	26,700	59,500	\$86,200
Sewers	112	Muddy Crk PS Upgrade & Forcemain	633,600	1,707,200	\$2,340,800
Sewers	128	Muddy Crk WWTP East Branch Inter/PS Mod.		25,876,500	\$25,876,500
Sewers	129	Muddy Crk WWTP East Branch Interceptor		7,850,800	\$7,850,800
		MSD Capital Improvements Total:	23,686,900	51,160,800	\$74,847,700
		Sayler Park Total:	23,819,800	51,160,800	\$74,980,600
South Fairmount					
Sewers	12	Lick Run Interceptor Chamber	1,091,500		\$1,091,500
		MSD Capital Improvements Total:	1,091,500	0	\$1,091,500
		South Fairmount Total:	1,091,500	0	\$1,091,500
Systemwide					
Enterprise Services	1	Fleet Replacements	5,929,600	6,489,300	\$12,418,900
Finance	2	AMS - CFS Procurement Software Upgrade	60,000		\$60,000
Finance	7	Income Tax Collection Software		124,300	\$124,300
Health	5	Health Facilities ADA	60,000		\$60,000
Parks	1	Park Infrastructure Rehabilitation	3,119,500	3,434,800	\$6,554,300
Police	3	Fire Suppression System	50,000		\$50,000
Regional Computer Center	1	Communications Master Plan	75,000	415,200	\$490,200
Regional Computer Center	2	CAGIS Infrastructure	98,600	40,000	\$138,600
Regional Computer Center	3	CFS Client Server	100,000	50,000	\$150,000
Regional Computer Center	4	Active Directory / Server Consolidation	168,000		\$168,000
Regional Computer Center	5	Data Infrastructure Security	184,600	148,400	\$333,000
Regional Computer Center	6	Electronic Government	319,700	234,600	\$554,300
Regional Computer Center	9	Telephone System Upgrade and Replacement			\$0
Transportation & Eng.	1	Information Systems Acquisition	150,000	150,000	\$300,000
Transportation & Eng.	2	SCIP Loan Repayment	96,200	96,200	\$192,400
Transportation & Eng.	3	Traffic Signal Installation & Renovation	1,000,000	1,000,000	\$2,000,000
Transportation & Eng.	4	Bridge Rehabilitation Program	1,100,000	1,100,000	\$2,200,000
Transportation & Eng.	8	Street Improvements	1,000,000	1,000,000	\$2,000,000
Transportation & Eng.	9	Street Rehabilitation	13,049,700	13,440,600	\$26,490,300
Transportation & Eng.	10	Curb Ramps - Street Rehab	500,000	514,400	\$1,014,400

2007-2012 Capital Improvement Program Projects by Neighborhood

Section 3

<u>Neighborhood</u>	<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2007-2008 Total</u>
Agency					
Systemwide					
Transportation & Eng.	12	Computerized Traffic Signal System	500,000	500,000	\$1,000,000
Transportation & Eng.	14	Neighborhood Transportation Strategies	200,000	150,000	\$350,000
Transportation & Eng.	15	Wall Stab. & Landslide Correction	1,000,000	1,000,000	\$2,000,000
Transportation & Eng.	16	Hillside Stairway Rehabilitation Program	250,000	250,000	\$500,000
Transportation & Eng.	21	LED Traffic and Pedestrian Signals	450,000	450,000	\$900,000
Transportation & Eng.	31	Spot Infrastructure Replacement	500,000	500,000	\$1,000,000
Transportation & Eng.	34	Traffic Signal Controllers & Detectors	125,000	125,000	\$250,000
Transportation & Eng.	37	Raised Pavement Markers	50,000	50,000	\$100,000
Transportation & Eng.	38	Bicycle Transportation Program	100,000	100,000	\$200,000
Transportation & Eng.	44	Pavement Management	100,000	100,000	\$200,000
Transportation & Eng.	48	Citywide Develop.Trans Enhancements		100,000	\$100,000
General Capital Total:			30,335,900	31,562,800	\$61,898,700
Sewers	5	Muddy Crk CSO TP @ Werk & Westbourne	1,630,000		\$1,630,000
Sewers	20	McGrew Ave. PS Relocation	256,700		\$256,700
Sewers	25	Polk Run WWTP Influent Bar Screen Rplmt.	219,600		\$219,600
Sewers	32	Polk Run TP PS Odor Control	40,100	265,500	\$305,600
Sewers	35	Sycamore WWTP Upgrade Ph 4	2,127,500		\$2,127,500
Sewers	44	Marview Terrace PS Emergency Repair	50,000		\$50,000
Sewers	45	LaSalle PS Emergency Repairs	200,000		\$200,000
Sewers	46	Hageman PS Emergency Repair	80,000		\$80,000
Sewers	47	Barrington Hills/Barrington Hills Block	230,000		\$230,000
Sewers	48	Emergency Sewer Repairs	5,175,000	5,356,100	\$10,531,100
Sewers	49	Barrington Hills/Barrington Hills Blk F GVolz/Krk	1,178,700	150,000	\$1,328,700
Sewers	51	187 First St. Sewer Replacement & Design	137,700		\$137,700
Sewers	53	Colette Lane Sewer Replacement Design	19,800	232,100	\$251,900
Sewers	55	Placid Meadows PS Elim Sewer Design	186,700		\$186,700
Sewers	56	Pleasant Run Central Forcemain Sewer	656,800	100,000	\$756,800
Sewers	60	Virginia Court & Bridgetown Rd Sewer Rep	707,000		\$707,000
Sewers	61	Harrison Road/Race Road Sewer Repl.	150,400		\$150,400
Sewers	64	Clough Rd Swr Abandonmnt/Lateral Reloc	43,000	209,700	\$252,700
Sewers	67	Wulff Run Sewer Replacement	275,400		\$275,400
Sewers	70	School Section Rd Sewer Repl. Design	247,100	1,351,800	\$1,598,900
Sewers	82	Adams Rd & Hastings St Lateral/Mainline	150,700		\$150,700

2007-2012 Capital Improvement Program Projects by Neighborhood

Section 3

<u>Neighborhood</u>	<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2007-2008 Total</u>
<u>Agency</u>					
Systemwide					
Sewers	85	1110 W Galbraith Rd Service Lateral Rep	67,700		\$67,700
Sewers	86	Shotcrete Sewer Work	517,500	535,600	\$1,053,100
Sewers	88	Lockland Rd/I-75 Ramp Sewer Repair	296,400		\$296,400
Sewers	89	Hageman Ave PS Upgrade Design	76,600	642,300	\$718,900
Sewers	90	Millbrook #2 PS Upgrade Design	209,400	573,500	\$782,900
Sewers	91	High Meadows PS Upgrade Design	179,200	532,000	\$711,200
Sewers	92	Arrowood PS Elimination Sewer Planning	119,100	666,700	\$785,800
Sewers	93	Winton 1&2 & Sherwood PS Consolidation	1,108,500		\$1,108,500
Sewers	94	Hengehold 4th & Yates 3rd PS	967,100		\$967,100
Sewers	95	Tower East PS Elimination Planning	138,000	223,700	\$361,700
Sewers	96	Daly Road Relief Sewer	6,901,300		\$6,901,300
Sewers	98	Diamond Oaks, Windmcre 3rd&Regency Rdg PS	1,620,800		\$1,620,800
Sewers	99	Harwinton Ln Sewer Replace Plan & Design	415,500		\$415,500
Sewers	100	Mt St Joseph Sewer Replacement	981,800		\$981,800
Sewers	102	Centurion Estates PS Elimination	620,400		\$620,400
Sewers	103	Millbrook #1 Pump Station Upgrade	655,100		\$655,100
Sewers	104	Palisades Park PS 1&2 Elimination	547,600		\$547,600
Sewers	105	Kenwood Rd PS Elimination Easements	50,000	1,977,300	\$2,027,300
Sewers	106	Foley Forest, Dellwood Est, NorthBay Vil	51,800	1,576,700	\$1,628,500
Sewers	107	Glenview PS Replacement Design	587,500		\$587,500
Sewers	108	Trenchless Technology Sewer Rehab.	6,210,000	6,426,000	\$12,636,000
Sewers	109	Trenchless Technology Manhole Repair	1,035,000	1,071,000	\$2,106,000
Sewers	111	Wulff Run Interceptor Parallel Sewer	44,400	120,400	\$164,800
Sewers	113	West Branch Ohio River Interceptor Sewer	167,700	830,500	\$998,200
Sewers	114	Taylor Rd Interceptor Sewer Ph 1 Design	450,100		\$450,100
Sewers	115	Forfeit Run Interceptor Sewer Easements	114,000	4,078,400	\$4,192,400
Sewers	116	Recreation Management	310,500	321,400	\$631,900
Sewers	117	Little Miami Drainage RDI/I Investig.	200,000		\$200,000
Sewers	118	Mill Creek Drainage Basin RDI/I Investig	2,000,000		\$2,000,000
Sewers	119	Muddy Creek Drainage Basin RDI/I Investi	1,000,000		\$1,000,000
Sewers	120	Polk Run Drainage Basin RDI/I Investig.	300,000		\$300,000
Sewers	121	Sycamore Drainage Basin RDI/I Investig.	2,500,000		\$2,500,000
Sewers	122	Home Sewer Treatment System Extensions	1,467,300	1,518,600	\$2,985,900

2007-2012 Capital Improvement Program Projects by Neighborhood

Section 3

<u>Neighborhood</u>	<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2007-2008 Total</u>
Agency					
Systemwide					
Sewers	123	Program Management Consultant	7,500,000	7,500,000	\$15,000,000
Sewers	124	Development Inspections	207,000		\$207,000
Sewers	130	Blue Rock Rd Sewer Separation		113,500	\$113,500
Sewers	131	Ross Run Sewer Separation		1,430,100	\$1,430,100
Sewers	132	Anthony Wayne Reg		1,938,900	\$1,938,900
Sewers	133	Jamar SEP		259,200	\$259,200
Sewers	143	Winton 1&2 and Sherwood PS Eliminations		1,672,200	\$1,672,200
Sewers	144	Colerain Ave & North Bend Rd Conveyance		381,500	\$381,500
Sewers	145	Colerain Ave & Galbraith Rd Storage Fac.		1,114,600	\$1,114,600
Sewers	146	Dry Run Area Sewers Ph 1		4,900,900	\$4,900,900
Sewers	147	Dry Run Area Sewers Ph 2		8,541,900	\$8,541,900
MSD Capital Improvements Total:			53,379,500	56,612,100	\$109,991,600
Water Works	1	Replacement Water Mains	16,400,000	16,800,000	\$33,200,000
Water Works	2	Meter Replacement Program	6,500,000		\$6,500,000
Water Works	3	Filter Rebuild - Miller Plant	500,000	20,000	\$520,000
Water Works	4	Valve Replacement Program	500,000	500,000	\$1,000,000
Water Works	5	Ultraviolet Disinfection - Miller Plant	1,300,000	4,000,000	\$5,300,000
Water Works	6	Regeneration Furnace Equipment	60,000	60,000	\$120,000
Water Works	7	Projected Street Improvements	6,600,000	6,700,000	\$13,300,000
Water Works	8	Rehabilitate Water Mains	1,500,000	1,500,000	\$3,000,000
Water Works	9	Computers, Servers, and Software	157,000	253,000	\$410,000
Water Works	10	New Water Mains	1,200,000	2,240,000	\$3,440,000
Water Works	11	Projected Private Developments	300,000	350,000	\$650,000
Water Works	12	Station Valve Equipment	90,000	90,000	\$180,000
Water Works	13	Protective Relays - Summit & Winton	115,000		\$115,000
Water Works	14	Banner System Upgrade	1,275,000		\$1,275,000
Water Works	15	Third-Linn-Dalton	2,000,000	2,000,000	\$4,000,000
Water Works	16	Budd-Eighth - Dalton to Evans	1,500,000	1,500,000	\$3,000,000
Water Works	17	Blue Ash - Cooper	1,500,000	500,000	\$2,000,000
Water Works	18	Evans - Gest to River	750,000		\$750,000
Water Works	19	Rehab Filters at C. M. Bolton Plant	25,000	600,000	\$625,000
Water Works	20	Clearwell Baffling - Bolton Plant	25,000	200,000	\$225,000
Water Works	21	Wellhead Protection - Bolton Plant	75,000	25,000	\$100,000

2007-2012 Capital Improvement Program

Projects by Neighborhood

Section 3

<u>Neighborhood</u>	<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2007-2008</u> <u>Total</u>
<u>Agency</u>					
Systemwide					
Water Works	23	Protective Relays - Eden Park	93,000		\$93,000
Water Works	24	Paxton/Isabella-Obser.&Madison	200,000	1,740,000	\$1,940,000
Water Works	25	Kennedy Avenue Pumps	20,000	80,000	\$100,000
Water Works	26	Mt. Washington Tank Improvements	264,000		\$264,000
Water Works	27	All Pipes Model	1,000,000	400,000	\$1,400,000
Water Works	28	Casting/Street Rehab Projects	292,000	307,000	\$599,000
Water Works	29	Montgomery - Cornell to Mason	1,000,000		\$1,000,000
Water Works	30	Enterprise Asset Management System		2,400,000	\$2,400,000
Water Works	31	Generator - Miller Plant - GAC	150,000		\$150,000
Water Works	32	Wesselman - Zion Hill to N Buffalo Ridge	1,035,000	205,000	\$1,240,000
Water Works	33	Summit/Reading-Section	760,000	40,000	\$800,000
Water Works	34	Sutton Reservoir Improvements	209,000	175,000	\$384,000
Water Works	35	Center Hill - Este to McGregor	500,000		\$500,000
Water Works	36	Observatory - Edwards to Paxton	500,000	2,000,000	\$2,500,000
Water Works	38	Elevator Controls and Safety Upgrades	200,000	100,000	\$300,000
Water Works	39	Electrical Transformers	5,000	80,000	\$85,000
Water Works	40	Main Station and Tennyson Pumps	118,000	754,000	\$872,000
Water Works	41	H2O Radio - Large Meters	400,000	100,000	\$500,000
Water Works	42	Greenhills Tank	18,000	2,634,400	\$2,652,400
Water Works	43	Peach Grove Pump Station and Reservoir	17,000	500,000	\$517,000
Water Works	44	HVAC System - Chester Park	90,000		\$90,000
Water Works	45	Motor Control Center Equipment	75,000	60,000	\$135,000
Water Works	46	Cross Connection Control System	70,000	5,000	\$75,000
Water Works	47	AA Spectrophotometer	248,000		\$248,000
Water Works	48	Backup Power Generator - Eden Park		500,000	\$500,000
Water Works	49	Hydrated Lime Feed System	30,000		\$30,000
Water Works	50	Rechlorination Equipment - Dist. System	100,000		\$100,000
Water Works	51	Pilot Plant/Filter	61,000		\$61,000
Water Works	52	Chem East Water Wheel Equipment	125,000	125,000	\$250,000
Water Works	53	Montgomery Control Valves - Various	30,000	300,000	\$330,000
Water Works	54	Sludge Flushing Pumps - Bolton Plant	75,000		\$75,000
Water Works	55	Office Space Mechanic Shop	50,000		\$50,000
Water Works	56	Bolton Washwater Discharge Line	30,000	300,000	\$330,000

2007-2012 Capital Improvement Program Projects by Neighborhood

Section 3

<u>Neighborhood</u>	<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2007-2008</u> <u>Total</u>
Agency					
Systemwide					
Water Works	57	SCADA Remote Site Communications	143,000	272,000	\$415,000
Water Works	58	Battery, Charger, and DC Panel	50,000	50,000	\$100,000
Water Works	59	Flowmeter Equipment Program	50,000		\$50,000
Water Works	60	Fire Control Systems	50,000	50,000	\$100,000
Water Works	61	River Station Raw Water Pumps	30,000	75,000	\$105,000
Water Works	62	Filter Gallery Instrumentation Equipment	51,000		\$51,000
Water Works	63	Ohio River Plant Roof	98,000	137,000	\$235,000
Water Works	64	Furnace Control Rm Liebert Unit - GAC	26,500		\$26,500
Water Works	65	Lamella Algaecide Feed System Storage	25,000		\$25,000
Water Works	66	Main Street and US 42 - Mason Montgomery	400,000		\$400,000
Water Works	67	Montgomery/Cooper-Pfeiffer	186,000	2,015,000	\$2,201,000
Water Works	68	Chlorinator Equipment - Bolton Plant	20,000		\$20,000
Water Works	69	Chemical Feed Tubing Pump - Constance	14,500		\$14,500
Water Works	70	Call Center Equipment		500,000	\$500,000
Water Works	73	Radio System for GCWW		400,000	\$400,000
Water Works	74	Distribution System Monitoring Equipment		250,000	\$250,000
Water Works	75	Misc. Concrete Pavement Replacement	150,000	150,000	\$300,000
Water Works	76	Future Water Treatment Plant Land		150,000	\$150,000
Water Works	77	ECAM Hardware		500,000	\$500,000
Water Works	80	Mobile Computing/Service Suite		500,000	\$500,000
Water Works	81	Recycle Stream Modification	39,000		\$39,000
Water Works	82	Coag Basin Sludge Pumps - Miller Plant	6,000	41,000	\$47,000
Water Works	83	Wash Water Recovery Pumps	2,000	48,000	\$50,000
Water Works	91	Continuous WQ Monitors - Dist. System	22,000	24,000	\$46,000
Water Works	93	Crane Equipment Improvements		100,000	\$100,000
Water Works	95	Chester Park Complex Chiller		280,000	\$280,000
Water Works	97	Reading - Dana		350,000	\$350,000
Water Works	114	Filter Surface Wash Pump - Miller Plant		52,000	\$52,000
Water Works	118	PeopleSoft Upgrade		250,000	\$250,000
Water Works	123	Gas Chromatograph for THM Analysis		98,100	\$98,100
Water Works	124	Gas Chromatograph		50,000	\$50,000
Water Works	125	Lime Feeders - Bolton Plant		500,000	\$500,000
Water Works	126	Secondary Basin Drive - Bolton Plant		200,000	\$200,000

2007-2012 Capital Improvement Program Projects by Neighborhood

Section 3

<u>Neighborhood</u>	<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2007-2008 Total</u>
Agency					
Systemwide					
Water Works	127	SCADA Network Upgrade - Miller Plant		425,000	\$425,000
Water Works	131	Carbon Transfer Pump - Miller Plant		2,000	\$2,000
Water Works	140	Misc. Masonry	75,000	75,000	\$150,000
Water Works	141	Caustic Feed System - Miller Plant		78,000	\$78,000
Water Works	142	Castle and Reading		100,000	\$100,000
Water Works	147	Carbon Feed System - Chem West		50,000	\$50,000
Water Works	148	Raw Water Reservoir Brick Rehabilitation		400,000	\$400,000
Water Works	151	Well Pumps - Bolton Plant		81,500	\$81,500
Water Works	153	Remote Facilities Operations Monitoring		15,000	\$15,000
Water Works	176	Replace Six Single-Ply Roofs		41,000	\$41,000
Water Works Total:			51,575,000	58,453,000	\$110,028,000
Systemwide Total:			135,290,400	146,627,900	\$281,918,300
University/Fairview Heights					
Sewers	73	Central Pkwy. @ Hopple St. Sewer Repl.	104,500	593,000	\$697,500
MSD Capital Improvements Total:			104,500	593,000	\$697,500
University/Fairview Heights Total:			104,500	593,000	\$697,500
Walnut Hills					
Transportation & Eng.	17	Gilbert Avenue Greenway	200,000		\$200,000
General Capital Total:			200,000	0	\$200,000
Sewers	101	Kemper Lane Sewer Repair	548,200		\$548,200
MSD Capital Improvements Total:			548,200	0	\$548,200
Walnut Hills Total:			748,200	0	\$748,200
West Price Hill					
Recreation	2	Outdoor Facilities Renovation	113,750		\$113,750
Recreation	3	Athletics Facilities Renovation	132,900		\$132,900
General Capital Total:			246,650	0	\$246,650
Sewers	59	Rutledge Area Sewer Replacement Constr.	741,100		\$741,100
MSD Capital Improvements Total:			741,100	0	\$741,100
West Price Hill Total:			987,750	0	\$987,750

2007-2012 Capital Improvement Program Projects by Neighborhood

Section 3

<u>Neighborhood</u>	<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2007-2008 Total</u>
<u>Agency</u>					
Westwood					
Transportation & Eng.	40	Montana Ave. Impr. - Boudinot to Farrell	100,000	400,000	\$500,000
Transportation & Eng.	42	Harrison Avenue Improvements		320,000	\$320,000
		General Capital Total:	100,000	720,000	\$820,000
Sewers	83	West Knolls Ln Sewer Relocation	69,100	324,400	\$393,500
Sewers	87	Felicity Dr Main Line Repair Design	23,400	128,300	\$151,700
		MSD Capital Improvements Total:	92,500	452,700	\$545,200
		Westwood Total:	192,500	1,172,700	\$1,365,200
Winton Hills					
Sewers	14	Wooden Shoe Regulator CSO TP P/D/E	1,321,900		\$1,321,900
		MSD Capital Improvements Total:	1,321,900	0	\$1,321,900
		Winton Hills Total:	1,321,900	0	\$1,321,900
		Total All Neighborhoods	310,987,500	314,700,200	\$625,687,700

Capital Improvement Plan - Buildings & Inspections

<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012</u> <u>Total</u>
<u>General Capital Fund</u>								
1	Hazard Abatement/Demolition Program	130,900	175,100	357,200	149,400	193,400	378,900	\$1,384,900
3	Hzd Abtmnt/Demo Addl Funding	1,000,000						\$1,000,000
General Capital Total:		1,130,900	175,100	357,200	149,400	193,400	378,900	\$2,384,900
Department of Buildings & Inspections Total:		1,130,900	175,100	357,200	149,400	193,400	378,900	\$2,384,900

General Capital Fund**Hazard Abatement/Demolition Program****Dept. Priority:** 1

Description: This project would provide funding for the demolition of unsafe and public nuisance buildings and is targeted for areas where Community Development Block Grant (CDBG) funding is impractical, usually in commercial or historical districts.

Purpose: The purpose of this project is to address public safety concerns of existing structures and to reduce the number of unsafe and blighted buildings in the City.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other		130,900	175,100	357,200	149,400	193,400	378,900	\$1,384,900
City Funds	250,000	130,900	175,100	357,200	149,400	193,400	378,900	\$1,384,900
Matching Funds								\$0
Total	250,000	130,900	175,100	357,200	149,400	193,400	378,900	\$1,384,900

Hzd Abtmnt/Demo Addl Funding**Dept. Priority:** 3

Description: This project would provide additional funding in 2007 for the demolition of unsafe and public nuisance buildings and is targeted for areas where Community Development Block Grant (CDBG) funding is impractical, usually in commercial or historical districts. This project represents additional funding for one year to address nuisance buildings in response to the City Council's Budget Policy Priorities to empower the Buildings and Inspections Department to aggressively pursue the elimination of blight.

Purpose: The purpose of this project is to address public safety concerns of existing structures and to reduce the number of unsafe and blighted buildings in the City.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other		1,000,000		0	0			\$1,000,000
City Funds		1,000,000	0	0	0	0	0	\$1,000,000
Matching Funds								\$0
Total	0	1,000,000	0	0	0	0	0	\$1,000,000

Capital Improvement Plan - City Manager

<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012</u> <u>Total</u>
<u>General Capital Fund</u>								
1	Retail/Commercial Opportunities	948,700	1,105,400	1,179,000	1,089,900	1,102,000	1,056,900	\$6,481,900
2	Downtown Housing Development	650,000	650,000	650,000	650,000	650,000	650,000	\$3,900,000
3	Findlay Market Improvements	100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
7	Economic Dev Opportunities	3,000,000						\$3,000,000
General Capital Total:		4,698,700	1,855,400	1,929,000	1,839,900	1,852,000	1,806,900	\$13,981,900
Department of City Manager Total:		4,698,700	1,855,400	1,929,000	1,839,900	1,852,000	1,806,900	\$13,981,900

General Capital Fund**Retail/Commercial Opportunities****Dept. Priority:** 1

Description: This project would provide funding to enable the City to pursue retail and commercial tenants by offering incentives to leverage private investment. Project funding would also be used for administrative costs, predevelopment work, and to pay property taxes on City-owned sites held for redevelopment.

Purpose: The purpose of this project is to create new employment opportunities while retaining existing jobs. The project would also foster positive business relationships, encourage business growth and investment, and facilitate property development for commercial purposes.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other		948,700	1,105,400	1,179,000	1,089,900	1,102,000	1,056,900	\$6,481,900
City Funds	1,250,000	948,700	1,105,400	1,179,000	1,089,900	1,102,000	1,056,900	\$6,481,900
Matching Funds								\$0
Total	1,250,000	948,700	1,105,400	1,179,000	1,089,900	1,102,000	1,056,900	\$6,481,900

Downtown Housing Development**Dept. Priority:** 2

Description: This project would provide funding to support housing development in the downtown area.

Purpose: The purpose of this project is to increase the number of residential units in the downtown area to provide a greater number of housing choices within the City. The project would also improve the physical environment of the downtown area by rehabilitating and developing vacant and underutilized buildings/sites in the downtown area. New downtown residents would grow the market base for retail/commercial activities in downtown Cincinnati, which would ultimately increase the City's income tax revenue.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		650,000	650,000	650,000	650,000	650,000	650,000	\$3,900,000
City Funds	1,000,000	650,000	650,000	650,000	650,000	650,000	650,000	\$3,900,000
Matching Funds								\$0
Total	1,000,000	650,000	650,000	650,000	650,000	650,000	650,000	\$3,900,000

Findlay Market Improvements**Dept. Priority:** 3

Description: This project would provide funding for improvements to City-owned facilities at Findlay Market. In March 2006, City Facilities Management conducted an assessment of ongoing capital needs for the Findlay Market facility. This project would implement the recommendations of this assessment, making improvements to maintain the structural integrity of the North Addition buildings. This project would also improve building systems such as plumbing, mechanical, refrigeration; as well as improve pedestrian safety around the Findlay Market area. The following projects would be completed during 2007: North Addition plumbing replacement/upgrade (\$50,000); upgrades to pedestrian safety around the Market (\$25,000); repair of the North Addition's foundation (\$15,000); and upgrade of mechanical equipment controls (\$10,000). In addition, the following projects would take place in 2008: repair of the North Addition's masonry (\$50,000) and replacement of the refrigeration equipment in the Market House (\$50,000).

Purpose: The purpose of this project is to improve the structural integrity of Findlay Market's "North Addition", as well as to upgrade the plumbing, mechanical, and other building systems of the facilities. In addition, this project is for improvements to pedestrian safety around the Market and for replacement of other equipment located in the Market House.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
City Funds		100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
Matching Funds								\$0
Total	0	100,000	100,000	100,000	100,000	100,000	100,000	\$600,000

Economic Dev Opportunities**Dept. Priority:** 7**Description:** Funding for this project will support development projects to enhance the City's economic base.**Purpose:** The purpose of this project is to create or retain quality jobs.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other		3,000,000						\$3,000,000
City Funds		3,000,000						\$3,000,000
Matching Funds								\$0
Total	0	3,000,000	0	0	0	0	0	\$3,000,000

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Capital Improvement Plan - Community Development

<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
<u>General Capital Fund</u>								
1	NBD Public Improvements	1,500,000	1,400,000	1,000,000	1,000,000	1,000,000	1,000,000	\$6,900,000
2	Neighborhood Market Rate Housing	1,300,000	683,900	1,000,000	991,000	1,000,000	1,000,000	\$5,974,900
3	Strategic Housing Initiatives Program	800,000	800,000	1,488,100	800,000	1,329,400	700,000	\$5,917,500
4	Commercial & Industrial Public Impvmts.	500,000	500,000	500,000	500,000	500,000	400,000	\$2,900,000
5	Community Development Focus District	400,000	500,000	500,000	400,000	400,000	350,000	\$2,550,000
6	SPUR	205,900	355,900	355,900	206,000	401,000	256,000	\$1,780,700
12	Neigh. Housing/Commercial Dev.	2,000,000						\$2,000,000
8	Citirama		800,000		700,000		799,500	\$2,299,500
9	Enterprise Zone Admin. and Public Imp.		100,000	100,000	100,000	100,000	100,000	\$500,000
General Capital Total:		6,705,900	5,139,800	4,944,000	4,697,000	4,730,400	4,605,500	\$30,822,600
Department of Community Development Total:		6,705,900	5,139,800	4,944,000	4,697,000	4,730,400	4,605,500	\$30,822,600

General Capital Fund**NBD Public Improvements****Dept. Priority:** 1

Description: This project would provide funding for the design and construction of streetscape public improvements and infrastructure improvements in the City's Neighborhood Business Districts. Project funding would also be used for property acquisition for public improvements and additional parking.

Purpose: The purpose of this project is to enhance the economic viability of each Neighborhood Business District (NBD) and the communities they serve. This project would also increase employment opportunities.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		30,000	30,000	30,000	30,000	30,000	30,000	\$180,000
Construction		1,370,000	1,270,000	870,000	870,000	870,000	870,000	\$6,120,000
Other		100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
City Funds	1,000,000	1,500,000	1,400,000	1,000,000	1,000,000	1,000,000	1,000,000	\$6,900,000
Matching Funds								\$0
Total	1,000,000	1,500,000	1,400,000	1,000,000	1,000,000	1,000,000	1,000,000	\$6,900,000

Neighborhood Market Rate Housing**Dept. Priority:** 2

Description: This project would provide funding for the development of market-rate housing in Cincinnati neighborhoods. City assistance may take the form of acquisition, site preparation, infrastructure development, and direct assistance for construction or rehabilitation. Project funding would also be available to assist projects that will be recommended in the Strategic Housing Initiatives Program - SHIP.

Purpose: The purpose of this project is to increase market-rate housing in City neighborhoods. This program is designed to improve the City's competitive edge in retaining and attracting middle income residents by increasing the supply and variety of available market rate housing.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		1,200,000	603,900	900,000	891,000	900,000	900,000	\$5,394,900
Other		100,000	80,000	100,000	100,000	100,000	100,000	\$580,000
City Funds	1,500,000	1,300,000	683,900	1,000,000	991,000	1,000,000	1,000,000	\$5,974,900
Matching Funds								\$0
Total	1,500,000	1,300,000	683,900	1,000,000	991,000	1,000,000	1,000,000	\$5,974,900

Strategic Housing Initiatives Program

Dept. Priority: 3

Description: This project would provide funding for the Strategic Housing Initiatives Program that will provide for strategic investments in housing projects throughout the City's neighborhoods, with a primary emphasis on homeownership opportunities. The program will support rehabilitation or new construction of units for homeownership. The minimum project size will be four units.

Purpose: The purpose of this project is to support the Strategic Housing Initiatives Program (SHIP) which will provide funding for housing projects with an emphasis on homeownership.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		75,000	75,000	175,000	75,000	104,400	75,000	\$579,400
Land		100,000	100,000	150,000	100,000	150,000	50,000	\$650,000
Construction		560,000	560,000	1,088,100	550,000	1,000,000	500,000	\$4,258,100
Other		65,000	65,000	75,000	75,000	75,000	75,000	\$430,000
City Funds		800,000	800,000	1,488,100	800,000	1,329,400	700,000	\$5,917,500
Matching Funds								\$0
Total	0	800,000	800,000	1,488,100	800,000	1,329,400	700,000	\$5,917,500

Commercial & Industrial Public Impvmts.

Dept. Priority: 4

Description: This project would provide funding for planning activities and public improvements in accordance with existing and future plans. Public improvements would include any specific infrastructure improvements, development and predevelopment activities to facilitate retention, expansion, and attraction of businesses within commercial and industrial areas of the City.

Purpose: The purpose of this project is to stimulate additional development and to leverage private investment within commercial and industrial areas of the City outside of the Central Business District (CBD).

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		50,000	50,000	50,000	50,000	50,000	50,000	\$300,000
Construction		350,000	350,000	350,000	350,000	350,000	300,000	\$2,050,000
Other		100,000	100,000	100,000	100,000	100,000	50,000	\$550,000
City Funds	500,000	500,000	500,000	500,000	500,000	500,000	400,000	\$2,900,000
Matching Funds								\$0
Total	500,000	500,000	500,000	500,000	500,000	500,000	400,000	\$2,900,000

Community Development Focus District

Dept. Priority: 5

Description: This project would provide funding for projects in neighborhoods that are identified in the City's Consolidated Plan as Strategic Investment Areas. Projects would include development and predevelopment activities, as well as gap financing and public improvements.

Purpose: The purpose of this project is to target viable, market-driven economic and mixed use development in neighborhoods that are designated Neighborhood Revitalization Strategy Areas or Community Development Focus Districts. The project will help stabilize those neighborhoods by making funding available for projects that would normally not be eligible for Community Development Block Grant funds.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other		400,000	500,000	500,000	400,000	400,000	350,000	\$2,550,000
City Funds		400,000	500,000	500,000	400,000	400,000	350,000	\$2,550,000
Matching Funds								\$0
Total	0	400,000	500,000	500,000	400,000	400,000	350,000	\$2,550,000

SPUR

Dept. Priority: 6

Description: This project would provide funding for the Strategic Program for Urban Redevelopment (SPUR) and will facilitate the redevelopment of abandoned, vacant, or underutilized industrial and commercial sites where the expansion or redevelopment may be complicated by environmental contamination. The funds sought will be used to assess property, acquire property, remediate contamination, construct public improvements, and perform predevelopment activities needed to redevelop Brownfield sites.

Purpose: The purpose of this project is to achieve the redevelopment of Brownfield sites.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Land		100,000	105,900	105,900	76,000	106,000	56,000	\$549,800
Construction		105,900	250,000	250,000	130,000	295,000	200,000	\$1,230,900
City Funds		205,900	355,900	355,900	206,000	401,000	256,000	\$1,780,700
Matching Funds								\$0
Total	0	205,900	355,900	355,900	206,000	401,000	256,000	\$1,780,700

Neigh. Housing/Commercial Dev.

Dept. Priority: 12

Description: This project will support major housing and/or commercial development in neighborhoods. Funding will be used for signature neighborhood housing projects that include commercial development. Project expenses may include land acquisition, design costs, engineering costs, or demolition/construction costs. This housing development initiative will allow General Capital funding to be utilized to construct or rehabilitate structures to the Leadership in Environmental and Energy Design (LEED) standard.

Purpose: The purpose of this project is to stabilize neighborhoods through the development of market rate signature housing and commercial development that will provide new housing/commercial opportunities.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other		2,000,000						\$2,000,000
City Funds		2,000,000						\$2,000,000
Matching Funds								\$0
Total	0	2,000,000	0	0	0	0	0	\$2,000,000

Citirama

Dept. Priority: 8

Description: This project would provide funding for new market rate homes over a six-year period. Resources would be used for site and public improvements incidental to new housing construction at future Citirama development sites. Citirama is a joint development partnership between the City and the Homebuilders Association of Greater Cincinnati.

Purpose: The purpose of this project is to demonstrate the viability and desirability of developing housing in the City. The project will also increase the level of homeownership in the City, and expand the City's real estate and income tax base.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			100,000		100,000		100,000	\$300,000
Land			250,000		150,000		150,000	\$550,000
Construction			380,000		380,000		480,000	\$1,240,000
Other			70,000		70,000		69,500	\$209,500
City Funds			800,000		700,000		799,500	\$2,299,500
Matching Funds								\$0
Total	0	0	800,000	0	700,000	0	799,500	\$2,299,500

Enterprise Zone Admin. and Public Imp.

Dept. Priority: 9

Description: This project would provide funding to operate the State of Ohio designated Enterprise Zone Program, including outreach and coordination activities with the community and the State. It would also provide funding for public improvements necessary to support business expansion, renovation, and relocation within an Enterprise Zone. The Urban Enterprise Zone Program is authorized by the Ohio Revised Code and allows cities to offer tax exemptions to businesses that expand, renovate, or occupy facilities located in State Certified distressed sections of the City or Zones.

Purpose: The purpose of the Enterprise Zone Program is to encourage businesses to remain, expand, or relocate in the City of Cincinnati.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other			100,000	100,000	100,000	100,000	100,000	\$500,000
City Funds			100,000	100,000	100,000	100,000	100,000	\$500,000
Matching Funds								\$0
Total	0	0	100,000	100,000	100,000	100,000	100,000	\$500,000

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Capital Improvement Plan - Enterprise Services

<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012</u> <u>Total</u>
<u>General Capital Fund</u>								
1	Fleet Replacements	5,929,600	6,489,300	6,861,000	5,244,000	5,286,900	6,426,400	\$36,237,200
General Capital Total:		5,929,600	6,489,300	6,861,000	5,244,000	5,286,900	6,426,400	\$36,237,200
<u>Parking Facilities Fund</u>								
1	Structural Maintenance & Repair	200,000	450,000	330,000	200,000	410,000	435,000	\$2,025,000
5	Gateway Garage Capital Improvements	50,000	50,000	50,000	50,000	50,000	50,000	\$300,000
3	Parking Revenue Control Enhancements		200,000		200,000			\$400,000
Parking Facilities Total:		250,000	700,000	380,000	450,000	460,000	485,000	\$2,725,000
<u>Convention Center Fund</u>								
1	Furniture, Fixtures, and Equipment	120,000	105,000	5,000	110,000	100,000	90,000	\$530,000
2	Capital Maintenance	50,000	125,000	125,000	100,000	100,000	60,000	\$560,000
3	Building Equipment			100,000	20,000	30,000	80,000	\$230,000
Convention Center Total:		170,000	230,000	230,000	230,000	230,000	230,000	\$1,320,000
Department of Enterprise Services Total:		6,349,600	7,419,300	7,471,000	5,924,000	5,976,900	7,141,400	\$40,282,200

General Capital Fund**Fleet Replacements****Dept. Priority:** 1**Description:** This project would provide funding for the purchase of automotive and motorized equipment for City agencies supported by the General Fund.**Purpose:** The purpose of this project is to provide the City's General Fund agencies with motorized equipment and an efficient automotive fleet that performs at the lowest possible operating and maintenance cost.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		5,929,600	6,489,300	6,861,000	5,244,000	5,286,900	6,426,400	\$36,237,200
City Funds	5,887,100	5,929,600	6,489,300	6,861,000	5,244,000	5,286,900	6,426,400	\$36,237,200
Matching Funds								\$0
Total	5,887,100	5,929,600	6,489,300	6,861,000	5,244,000	5,286,900	6,426,400	\$36,237,200

Parking Facilities Fund**Structural Maintenance & Repair****Dept. Priority:** 1**Description:** This project would provide funding for the labor and materials needed to design and construct improvements for City Parking assets. It would also provide funding to maintain and repair City Parking assets.**Purpose:** The purpose of this project is to maintain, repair, and improve City Parking assets.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		20,000	20,000	20,000	20,000	20,000	35,000	\$135,000
Construction		180,000	430,000	310,000	180,000	390,000	400,000	\$1,890,000
City Funds		200,000	450,000	330,000	200,000	410,000	435,000	\$2,025,000
Matching Funds								\$0
Total	0	200,000	450,000	330,000	200,000	410,000	435,000	\$2,025,000

Gateway Garage Capital Improvements**Dept. Priority:** 5**Description:** This project would provide funding to comply with the City's agreement with the Kroger Company to allocate \$50,000 annually for capital improvements at the Gateway Garage.**Purpose:** The purpose of this project is to provide funding for capital improvements to the Gateway Garage.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other		50,000	50,000	50,000	50,000	50,000	50,000	\$300,000
City Funds	29,200	50,000	50,000	50,000	50,000	50,000	50,000	\$300,000
Matching Funds								\$0
Total	29,200	50,000	50,000	50,000	50,000	50,000	50,000	\$300,000

Parking Revenue Control Enhancements

Dept. Priority: 3

Description: This project would provide funding for the upgrade of revenue control equipment at parking facilities.

Purpose: The purpose of this project is to reduce operating expenses, increase revenue accountability, and improve customer service at parking facilities.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment			200,000		200,000			\$400,000
City Funds			200,000		200,000			\$400,000
Matching Funds								\$0
Total	0	0	200,000	0	200,000	0	0	\$400,000

Convention Center Fund

Furniture, Fixtures, and Equipment

Dept. Priority: 1

Description: This project would provide funding for the purchase of additional and replacement furniture, fixtures, and equipment which would provide an appealing venue for conventions and visitors coming to the convention center. Equipment would include Automated External Defibrillators (AEDs), banquet chairs, bike racks, computer equipment, servers and software, office furniture, trash cans, pallet jacks, tensa barriers, pre-function furniture, a dance floor, carpet extractors, and staging.

Purpose: The purpose of this project is to purchase furniture, fixtures, and equipment necessary to maintain a first class convention center.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		120,000	105,000	5,000	110,000	100,000	90,000	\$530,000
City Funds		120,000	105,000	5,000	110,000	100,000	90,000	\$530,000
Matching Funds								\$0
Total	0	120,000	105,000	5,000	110,000	100,000	90,000	\$530,000

Capital Maintenance

Dept. Priority: 2

Description: This project would provide funding for capital improvements at the convention center including wall protection and painting/caulking in exhibit halls, office spaces, public spaces, the ballroom, and meeting rooms.

Purpose: The purpose of this project is to provide capital maintenance of the newly expanded convention center facility.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other		50,000	125,000	125,000	100,000	100,000	60,000	\$560,000
City Funds		50,000	125,000	125,000	100,000	100,000	60,000	\$560,000
Matching Funds								\$0
Total	0	50,000	125,000	125,000	100,000	100,000	60,000	\$560,000

Building Equipment**Dept. Priority:** 3**Description:** This project would provide funding for the replacement or repair of major equipment at the convention center including air handlers, carpet, communication equipment, and energy management equipment.**Purpose:** The purpose of this project is to repair or replace equipment at the convention center to maintain the current standard of excellence in providing a top rate convention facility.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering							80,000	\$80,000
Equipment				100,000	20,000	30,000		\$150,000
City Funds				100,000	20,000	30,000	80,000	\$230,000
Matching Funds								\$0
Total	0	0	0	100,000	20,000	30,000	80,000	\$230,000

Capital Improvement Plan - Finance

<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
<u>General Capital Fund</u>								
1	Postage Meter	83,300						\$83,300
2	AMS - CFS Procurement Software Upgrade	60,000						\$60,000
7	Income Tax Collection Software		124,300	160,000				\$284,300
8	Licensing Software & A/R Collection Sys.			50,000				\$50,000
General Capital Total:		143,300	124,300	210,000	0	0	0	\$477,600
Department of Finance Total:		143,300	124,300	210,000	0	0	0	\$477,600

General Capital Fund**Postage Meter****Dept. Priority:** 1

Description: This project would provide funding for the purchase of a digital printing technology postage meter that places barcodes on all outgoing pieces of U.S. Postal Service mail.

Purpose: The purpose of this project is to keep the City's mail operations functional. The U.S. Postal Service has mandated that all postage meters will have to be replaced with a model that uses digital printing technology by December 31, 2006. The present postage meter in Printing Services will therefore become obsolete as of the effective date of the mandate.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		83,300						\$83,300
City Funds		83,300						\$83,300
Matching Funds								\$0
Total	0	83,300	0	0	0	0	0	\$83,300

AMS - CFS Procurement Software Upgrade**Dept. Priority:** 2

Description: This project would provide funding for the continued procurement software upgrade of the Cincinnati Financial System (CFS) with Vender Self Service (VSS). The software product is the American Management Systems (AMS) Advantage 3.0. VSS provides a seamless, user friendly Web-based procurement system that covers many facets of the procurement process, from vendor registration to the solicitation, evaluation, and awarding of bids. VSS capitalizes on the procurement foundation provided by CFS and will be the public face of City procurement.

Purpose: The purpose of this project is to enhance the procurement process by improving production, reducing labor cost, and providing more information through a user-friendly application for both Purchasing employees and vendors doing business with the City of Cincinnati.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		60,000			0	0		\$60,000
City Funds		60,000			0	0		\$60,000
Matching Funds								\$0
Total	0	60,000	0	0	0	0	0	\$60,000

Income Tax Collection Software**Dept. Priority:** 7

Description: This project would provide funding for the upgrade of the Income Tax Division's income tax collection software. The upgrade in software would allow taxpayers to prepare and submit their City tax returns online, which will allow the returns to be processed more accurately and quickly. As the Income Tax Division needs to store all tax returns electronically, the software has the additional benefit of submitting forms in this electronic format.

Purpose: The purpose of this project is to provide the necessary platform for better interface between taxpayers and the City's Income Tax Division.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other			124,300	160,000				\$284,300
City Funds			124,300	160,000				\$284,300
Matching Funds								\$0
Total	0	0	124,300	160,000	0	0	0	\$284,300

Licensing Software & A/R Collection Sys.**Dept. Priority:** 8

Description: This project would provide funding for the implementation of licensing software and accounts receivable collection systems. This project would tie in the receiving and licensing processes with back-end financial systems and databases. In addition, less manual data entry would be necessary.

Purpose: This purpose of this project is to allow for the licensing process to be automated, to allow for the scanning of existing documents to create a complete licensing database, and to improve the collection of the City's accounts receivable. Service levels and the efficiency of collections would thereby be improved.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other				50,000	0	0	0	\$50,000
City Funds				50,000	0	0	0	\$50,000
Matching Funds								\$0
Total	0	0	0	50,000	0	0	0	\$50,000

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Capital Improvement Plan - Fire

<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012</u> <u>Total</u>
<u>General Capital Fund</u>								
2	Fire Equipment Enhancements	300,000	300,000	500,000	345,400	350,500	800,000	\$2,595,900
3	Defibrillator - Replacement	88,600	68,500	68,300	108,100	49,900	122,900	\$506,300
4	Exhaust System	68,100	177,900	199,800			109,200	\$555,000
5	Furnish/Appliances for New Firehouse	43,600						\$43,600
6	Air Compressor Replacement				88,400			\$88,400
4	Apparatus Door Closers					145,000		\$145,000
General Capital Total:		500,300	546,400	768,100	541,900	545,400	1,032,100	\$3,934,200
Department of Fire Total:		500,300	546,400	768,100	541,900	545,400	1,032,100	\$3,934,200

General Capital Fund**Fire Equipment Enhancements****Dept. Priority:** 2**Description:** This project would provide funding for equipment and training initiatives related to the Line of Duty Death Report recommendations.**Purpose:** The purpose of this project is to provide the Fire Department with an annual allocation to fund equipment and training enhancements for firefighter safety.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		300,000	300,000	500,000	345,400	350,500	800,000	\$2,595,900
City Funds	300,000	300,000	300,000	500,000	345,400	350,500	800,000	\$2,595,900
Matching Funds								\$0
Total	300,000	300,000	300,000	500,000	345,400	350,500	800,000	\$2,595,900

Defibrillator - Replacement**Dept. Priority:** 3**Description:** This project would provide funding for the replacement of Automatic External Defibrillators (AED) and 12-lead monitor defibrillators. Emergency Medical Technicians use an Automatic External Defibrillator to restart or correct an irregular heartbeat without a doctor's intervention. Paramedics use a 12-lead monitor defibrillator which provides a three dimensional view of the heart, that can be transmitted to the receiving emergency room physicians and is used to determine the most beneficial treatment for the patient. The 12-lead units allow for the performance of diagnostic processes in a pre-emergency room environment, which are currently performed in the hospital, thereby minimizing the delay of treatment. Due to rapidly changing technology, this equipment is on a five year replacement schedule.**Purpose:** The purpose of this project is for the replacement of Automatic External Defibrillators (AED) and 12-lead monitor defibrillators. The AED's are placed on all Basic Life Support companies and the 12-lead monitors are placed on all Advanced Life Support equipped companies.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		88,600	68,500	68,300	108,100	49,900	122,900	\$506,300
City Funds	150,000	88,600	68,500	68,300	108,100	49,900	122,900	\$506,300
Matching Funds								\$0
Total	150,000	88,600	68,500	68,300	108,100	49,900	122,900	\$506,300

Exhaust System**Dept. Priority:** 4**Description:** This project would provide funding to purchase and install diesel exhaust filtering devices on 50 front-line apparatus. These devices consist of a filter, a diverter unit, and an electronic control module and are all self contained and installed under the vehicle. The devices are removable and can be placed on new apparatus as the old apparatus are retired.**Purpose:** The purpose of this project is to support the purchase and installation of diesel exhaust filtering devices on 50 apparatus. The devices remove all visible smoke and exhaust, and prevent diesel particulates from being emitted while in an enclosed area. Diesel particulates are hazardous to the health of firefighters and everyone within the immediate area. The exhaust system would aid in the reduction and/or elimination of hazardous particulates, as required by the NFPA Standard 1500 and the BOCA National Mechanics Code.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		68,100	177,900	199,800			109,200	\$555,000
City Funds		68,100	177,900	199,800			109,200	\$555,000
Matching Funds								\$0
Total	0	68,100	177,900	199,800	0	0	109,200	\$555,000

Furnish/Appliances for New Firehouse**Dept. Priority:** 5**Description:** This project would provide funding for the purchase of all appliances and office furniture necessary to complete the construction of a new firehouse in Bond Hill.**Purpose:** The purpose of this project is to purchase all appliances and office furniture for a new firehouse in Bond Hill. These purchases would make the new firehouse fully functional.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		43,600						\$43,600
City Funds		43,600						\$43,600
Matching Funds								\$0
Total	0	43,600	0	0	0	0	0	\$43,600

Air Compressor Replacement**Dept. Priority:** 6**Description:** This project would provide funding for the replacement and/or rehabilitation of Air Compressor Systems. These systems are strategically placed at various fire companies for efficiently refilling the Self-Contained Breathing Apparatus (SCBA).**Purpose:** The purpose of this project is to replace and/or rehab Air Compressor Systems on a routine basis, which will maintain a higher quality of safe breathing air for firefighters. The Self-Contained Breathing Apparatus, which these compressors refill, are used in fires as well as other hazardous situations which a firefighter faces. New compressors insure that the air supply for firefighters during hazardous instances is safe and is in compliance with State and Federal regulations.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment				0	88,400	0		\$88,400
City Funds				0	88,400	0		\$88,400
Matching Funds								\$0
Total	0	0	0	0	88,400	0	0	\$88,400

Apparatus Door Closers**Dept. Priority:** 4**Description:** This project would provide funding for the purchase of apparatus garage door closers for all garage doors throughout the Fire Department.**Purpose:** The purpose of this project is to replace the apparatus garage door closers on all garage doors throughout the Fire Department. The current door closures do not meet the minimum industry standards. Replacement of these closures will substantially reduce the City's liability, as well as maintain the security of the firehouses. The current closures are not equipped for automatic retraction of the garage door in the event a person or object is standing in the path of the door. The replacement closures will monitor the presence of apparatus or other objects when closing the garage door and will eliminate possible accidental/premature closure, thus providing a safer operation. This will eliminate the possibility that a company responding to an emergency will be placed out of service due to damage caused by the premature closure of a garage door. The new door closures will also insure proper closure, thereby enhancing the security of the firehouses.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment						145,000		\$145,000
City Funds						145,000		\$145,000
Matching Funds								\$0
Total	0	0	0	0	0	145,000	0	\$145,000

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Capital Improvement Plan - Health

<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012</u> <u>Total</u>
<u>General Capital Fund</u>								
1	Facilities Renovation & Repairs	282,300	380,300	408,200	386,600	449,500	378,600	\$2,285,500
3	Dental Equipment Replacement	70,000	70,000					\$140,000
5	Health Facilities ADA	60,000		60,000	60,000		60,000	\$240,000
7	Center Hill Gas & Leachate	100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
8	Env Mgmt System & Regulatory Compliance	25,000	25,000					\$50,000
9	Emergency Environmental Cleanup	10,000	20,000	20,000	20,000			\$70,000
10	Underground Storage Tanks	10,000	20,000	20,000	20,000			\$70,000
General Capital Total:		557,300	615,300	608,200	586,600	549,500	538,600	\$3,455,500
Department of Health Total:		557,300	615,300	608,200	586,600	549,500	538,600	\$3,455,500

General Capital Fund**Facilities Renovation & Repairs****Dept. Priority:** 1

Description: This project would provide funding for the major repair, upgrade, and renovation of various Primary Health Care Clinic sites and other Health Department facilities. The projects considered for funding include: for 2007 - 1) roof replacement at the Price Hill Health Center, 2) renovation of the dental offices in the Price Hill Health Center, and 3) the installation of an upgraded fire alarm system in the Elm Street Health Center; for 2008 - 1) the renovation of the Central Laboratory located in the A. C. Clement Health Center; for 2009 - 1) seal and paint the exterior of the Northside Health Center, 2) repave the parking lot at the Elm Street Health Center, 3) replace heat pumps in the Elm Street Health Center, and 4) replace the carpeting on the first floor of the A. C. Clement Health Center; and for 2010 - 1) repaint the interiors of the Price Hill Health Center, the Northside Health Center, and the Cann Health Center.

Purpose: The purpose of this project is to protect and extend the life of the respective Primary Health Care Clinic sites and various Health Department facilities. This project will also provide healthier working environments. The needed renovations will retain compliance to accreditation clinic facilities standards, as well as present a more visually appealing facility for customers.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		10,000	10,000	10,000	10,000	10,000	10,000	\$60,000
Construction		272,300	370,300	398,200	376,600	439,500	368,600	\$2,225,500
City Funds	317,000	282,300	380,300	408,200	386,600	449,500	378,600	\$2,285,500
Matching Funds								\$0
Total	317,000	282,300	380,300	408,200	386,600	449,500	378,600	\$2,285,500

Dental Equipment Replacement**Dept. Priority:** 3

Description: This project would provide funding for the replacement of outdated dental equipment at the Millvale Health Center. This project would also complete the acquisition of the needed dental equipment at the Millvale Clinic. The previous two years' allocations provided funding for the equipment at the Price Hill Center.

Purpose: The purpose of this project is to replace outdated dental equipment at the Millvale Health Center. The anticipated life-span of dental equipment is approximately 15 years, and the equipment at Millvale is 16 years old. The replacement also enables the Health Department to remain compliant to clinic facilities standards of care required by accreditation bodies.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		70,000	70,000					\$140,000
City Funds	80,000	70,000	70,000					\$140,000
Matching Funds								\$0
Total	80,000	70,000	70,000	0	0	0	0	\$140,000

Health Facilities ADA

Dept. Priority: 5

Description: This project would provide funding for improvements to Health Department facilities as required by the Americans with Disabilities Act (ADA). Improvements to entrances, elevators, doors, restrooms, and other areas would be addressed.

Purpose: The purpose of this project is to bring all Health Department facilities into compliance with ADA regulations.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		5,000	0	5,000	5,000			\$15,000
Construction		55,000	0	55,000	55,000	0	60,000	\$225,000
City Funds	60,000	60,000	0	60,000	60,000	0	60,000	\$240,000
Matching Funds								\$0
Total	60,000	60,000	0	60,000	60,000	0	60,000	\$240,000

Center Hill Gas & Leachate

Dept. Priority: 7

Description: This project would provide funding for the continued operation and maintenance of the methane gas and leachate collection systems at the former Center Hill Landfill, and support compliance with State and Federal solid waste regulations.

Purpose: The purpose of this project is to provide the City with the funding support to maintain compliance with State and Federal solid waste regulations. The City must control, collect, and dispose of all leachate and methane gas until the Ohio Environmental Protection Association decides that no further action is necessary.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other		100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
City Funds	100,000	100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
Matching Funds								\$0
Total	100,000	100,000	100,000	100,000	100,000	100,000	100,000	\$600,000

Env Mgmt System & Regulatory Compliance

Dept. Priority: 8

Description: This project would provide funding for the establishment of a fund for small capital expenditures to address regulatory compliance issues that require immediate attention. Project funding would also provide for feasibility and design activities necessary to support budget requests for larger capital projects that are related to regulatory compliance requirements. These resources would be available to assist any General Fund operation in any City department. Examples of projects include: 1) a small storage unit for hazardous waste prior to off-site shipment for treatment or disposal, or 2) a small scrubber unit to reduce air emissions from a piece of equipment used by a City department. Funding would also be available for other small project needs identified in the implementation of the City's pilot Environmental Management System (EMS) project. Such needs could include: 1) a centralized storage unit, or 2) a satellite storage area for items to be recycled citywide (e.g. toner cartridges, batteries, wooden pallets).

Purpose: The purpose of this project is to assist City departments in achieving compliance with local, state, and federal environmental regulatory requirements. This project also provides resources to implement the City's Environmental Policy adopted by City Council on April 24, 2002, thereby enabling greater reuse and recycling of materials by City staff.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other		25,000	25,000					\$50,000
City Funds	50,000	25,000	25,000					\$50,000
Matching Funds								\$0
Total	50,000	25,000	25,000	0	0	0	0	\$50,000

Emergency Environmental Cleanup**Dept. Priority:** 9**Description:**

This project would provide funding to continue the City's ability to immediately respond to severe emergency clean-up situations where the public is at extreme risk, and no identifiable, viable responsible party exists to pay for such clean-ups. In instances where insurance will reimburse the City for a clean-up effort, the City needs funding up front until reimbursement is remitted.

Purpose:

The purpose of this project is to protect the public from unexpected health risks and allow the City to prevent contamination of city property.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other		10,000	20,000	20,000	20,000			\$70,000
City Funds	20,000	10,000	20,000	20,000	20,000			\$70,000
Matching Funds								\$0
Total	20,000	10,000	20,000	20,000	20,000	0	0	\$70,000

Underground Storage Tanks**Dept. Priority:** 10**Description:**

This project would provide funding for the removal of abandoned underground storage tanks from City-owned sites and also support the ongoing remediation at the Mill Creek Road site (Public Services, Neighborhood Operations Division). In addition, this project would provide funding for investigations necessary to determine the extent of petroleum hydrocarbon contamination existing on any tank site and the eventual remediation of those sites if contamination levels are found to exist above State action levels.

Purpose:

The purpose of this project would be to provide funding for cleanup of residual contamination from underground storage tanks on City sites. The State Bureau of Underground Storage Tank Regulations (BUSTR) requires the removal of all abandoned underground storage tanks and mandates the determination of the extent of contamination and the clean up of any residual contamination above State action levels.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other		10,000	20,000	20,000	20,000			\$70,000
City Funds	20,000	10,000	20,000	20,000	20,000			\$70,000
Matching Funds								\$0
Total	20,000	10,000	20,000	20,000	20,000	0	0	\$70,000

Capital Improvement Plan - Parks

<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012</u> <u>Total</u>
<u>General Capital Fund</u>								
1	Park Infrastructure Rehabilitation	3,119,500	3,434,800	3,883,100	3,703,700	3,728,000	3,637,100	\$21,506,200
2	Cincinnati Riverfront Park	5,000,000	5,000,000					\$10,000,000
3	Master Plan Implementation	300,000	300,000					\$600,000
General Capital Total:		8,419,500	8,734,800	3,883,100	3,703,700	3,728,000	3,637,100	\$32,106,200
Department of Parks Total:		8,419,500	8,734,800	3,883,100	3,703,700	3,728,000	3,637,100	\$32,106,200

General Capital Fund

Park Infrastructure Rehabilitation

Dept. Priority: 1

Description: This project would provide funding for general upgrades (electrical, HVAC, lighting, and plumbing) at Park facilities, as well as infrastructure improvements to roadways, walks, retaining walls, and other structures. Renovation of deteriorated or out-of-code structures would also be included.

Purpose: The purpose of this project is to provide for the renovation of basic infrastructures in the City's parks. It also provides resources to upgrade facilities to remain in compliance with codes and regulations. Projects are designed to complete ADA compliance projects, and to retrofit utilities to improve efficiency to provide a clean, safe, reliable, green, and beautiful park system.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		683,900	747,000	776,600	740,700	745,600	727,400	\$4,421,200
Construction		2,435,600	2,687,800	3,106,500	2,963,000	2,982,400	2,909,700	\$17,085,000
City Funds	3,124,700	3,119,500	3,434,800	3,883,100	3,703,700	3,728,000	3,637,100	\$21,506,200
Matching Funds								\$0
Total	3,124,700	3,119,500	3,434,800	3,883,100	3,703,700	3,728,000	3,637,100	\$21,506,200

Cincinnati Riverfront Park

Dept. Priority: 2

Description: This project would provide funding to continue the on-going project to create a major new regional park on the Cincinnati Riverfront. The project has been approved by City Council, the Park Board, the Riverfront Advisors, the City Planning Commission, the Urban Design Review Board, and the United States Army Corps of Engineers. The project was federalized in 2005 when Congress authorized the United States Army Corps to design the project. The project will be receiving substantial Federal funding by the end of 2006. Continued funding is required to begin developing construction documents and to bid and begin construction on the Cincinnati Riverfront Park in 2007.

Purpose: The purpose of this project is to create a major new regional park on the Cincinnati Riverfront. The Park will become a new regional resource and draw for visitors. It will serve as the new "front yard" of Cincinnati and as a setting for the new stadia, the Underground Railroad Freedom Center, and the Banks Development. It will also reconnect the Cincinnati Downtown to the Ohio River.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		1,000,000	1,000,000					\$2,000,000
Construction		4,000,000	4,000,000					\$8,000,000
City Funds		5,000,000	5,000,000					\$10,000,000
Matching Funds								\$0
Total	0	5,000,000	5,000,000	0	0	0	0	\$10,000,000

Master Plan Implementation

Dept. Priority: 3

Description: This project would provide funding in 2007 and 2008 for landscaping and sitework during Phase I and II of renovations at the Owl's Nest Park in O'Bryonville/East Walnut Hills.

Purpose: The purpose of this project is to enhance neighborhood and regional parks, improve greenspaces, enhance economic growth, and provide for park improvements as outlined in the Park Board's Master Plan.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		300,000	300,000					\$600,000
City Funds		300,000	300,000					\$600,000
Matching Funds								\$0
Total	0	300,000	300,000	0	0	0	0	\$600,000

Capital Improvement Plan - Police

<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012</u> <u>Total</u>
<u>General Capital Fund</u>								
3	Fire Suppression System	50,000						\$50,000
4	Impound Lot Security System		55,000					\$55,000
5	Stand Alone Phone Switch		75,000					\$75,000
6	E911 Palladium Stations			111,000				\$111,000
General Capital Total:		50,000	130,000	111,000	0	0	0	\$291,000
Department of Police Total:		50,000	130,000	111,000	0	0	0	\$291,000

General Capital Fund**Fire Suppression System****Dept. Priority:** 3

Description: This project would provide funding for a Fire Suppression System for the secure area of 2000 Radcliff. The Fire Suppression System is needed to safeguard critical information technology and the 800 MHz radio system equipment.

Purpose: The Regional Emergency Operations Center at 2000 Radcliff Drive houses the critical information technology equipment related to the Police and Fire Departments' computer networks and data storage. In addition, a significant portion of assets related to the 800 MHz radio system are housed in the same area. In the event of an electrical fire in the area, significant damage would occur prior to the arrival of emergency personnel.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		50,000						\$50,000
City Funds		50,000						\$50,000
Matching Funds								\$0
Total	0	50,000	0	0	0	0	0	\$50,000

Impound Lot Security System**Dept. Priority:** 4

Description: This project would provide funding for a new security system for the Impound Lot facility at 3425 Spring Grove. The system includes closed system cameras which can be controlled by both on and off site designated computers.

Purpose: The purpose of this project is to replace the current security system at the Impound Lot facility. The current security system is obsolete and consistently malfunctions. The camera system provides very poor quality pictures when it is operable. It is not economically feasible to continue to repair the dilapidated system.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment			55,000	0				\$55,000
City Funds			55,000	0				\$55,000
Matching Funds								\$0
Total	0	0	55,000	0	0	0	0	\$55,000

Stand Alone Phone Switch**Dept. Priority:** 5

Description: This project would provide funding for a Stand Alone Phone Switch for the 800 Evans (Spinney) backup facility.

Purpose: The purpose of this project is to provide a Stand Alone Phone Switch for the Spinney facility. The current phone switch serving the Spinney facility is dependent on the one located at Cincinnati's City Hall. This makes the facility reliant on cabling between the two buildings. A separate phone switch is necessary because the Spinney facility is used for multiple day events and can average 2800-3000 calls per day.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment			75,000	0				\$75,000
City Funds			75,000	0				\$75,000
Matching Funds								\$0
Total	0	0	75,000	0	0	0	0	\$75,000

E911 Palladium Stations**Dept. Priority:** 6

Description: This project would provide funding for the purchase of three E911 Palladium Stations. The E911 Palladium Stations include computers, monitors, and associated equipment for the Police Communications Center.

Purpose: The purpose of this project is to purchase three E911 Palladium Stations. The Radcliff Communications Facility was designed for 16 operator positions; however, there are currently only 13 positions equipped and operational. The increased use of cell phones has multiplied the number of calls received on each incident. Equipment to accommodate full staffing will provide improved customer service and enhance public safety.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment				111,000	0			\$111,000
City Funds				111,000	0			\$111,000
Matching Funds								\$0
Total	0	0	0	111,000	0	0	0	\$111,000

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Capital Improvement Plan - Public Services

<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012</u> <u>Total</u>
<u>General Capital Fund</u>								
1	City Facility Renovations	2,158,700	2,200,000	2,150,000	2,200,000	2,150,000	2,200,000	\$13,058,700
2	Replacement Facilities	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	\$15,000,000
3	Westfork Trash Compactor	60,000						\$60,000
4	Trash Receptacles	90,000	150,000	150,000	150,000	150,000	150,000	\$840,000
7	City Facility Hazard Correction	150,000	150,000					\$300,000
5	Sign Replacement		416,000	831,000	520,900	606,100	424,400	\$2,798,400
General Capital Total:		4,958,700	5,416,000	5,631,000	5,370,900	5,406,100	5,274,400	\$32,057,100
Department of Public Services Total:		4,958,700	5,416,000	5,631,000	5,370,900	5,406,100	5,274,400	\$32,057,100

General Capital Fund**City Facility Renovations****Dept. Priority:** 1

Description: This project would provide funding to continue upgrades to City facilities. Upgrades and improvements include, but are not limited to, window replacement, tuck pointing, structural repairs, restroom upgrades, female facilities, office reorganizations, HVAC improvements, roof replacements, electrical improvements, and site work. Design work, consultant fees, and related staff time would be included as well.

Purpose: The purpose of this project is to continue upgrades to City facilities. The Division of City Facility Management maintains and upgrades facilities for current and future operations. A running list of improvements is used to maintain services directly and indirectly supported by these facilities. Renovations will modernize facilities to extend their useful lives for the next 20 years or until a replacement facility can be designed and built. This project includes the renovation of female restroom facilities.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		200,000	250,000	200,000	250,000	200,000	250,000	\$1,350,000
Construction		1,958,700	1,950,000	1,950,000	1,950,000	1,950,000	1,950,000	\$11,708,700
City Funds	1,650,000	2,158,700	2,200,000	2,150,000	2,200,000	2,150,000	2,200,000	\$13,058,700
Matching Funds								\$0
Total	1,650,000	2,158,700	2,200,000	2,150,000	2,200,000	2,150,000	2,200,000	\$13,058,700

Replacement Facilities**Dept. Priority:** 2

Description: This project would provide funding for the construction of replacement facilities for the Fire Department and the Police Department. There are nine Fire stations and two Police stations that are below size and quality for use. Five of the nine Fire stations will not hold the new pumpers built today.

Purpose: The purpose of this project is to construct replacement facilities to the Fire Department and the Police Department. The Division of City Facility Management has completed an initial asset management review of General Fund facilities and has identified that 40% are inadequate to meet the service demands of City agencies in operation today. The majority of facilities pre-date World War II and the cost of renovations to meet functional requirements of today's services outweighs the replacement cost for new facilities. The Fire Department and the Police Department are actively involved in planning for the replacement of facilities to enhance their service delivery to citizens.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
Land		200,000	200,000	200,000	200,000	200,000	200,000	\$1,200,000
Construction		2,100,000	2,100,000	2,100,000	2,100,000	2,100,000	2,100,000	\$12,600,000
Equipment		100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
City Funds	1,980,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	\$15,000,000
Matching Funds								\$0
Total	1,980,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	\$15,000,000

Westfork Trash Compactor

Dept. Priority: 3

Description: This project would provide funding for the replacement of an 8 cubic yard trash compactor. The trash compactor has outlived it's useful life. Temporary repairs and maintenance are now costing more than the replacement cost. The Parks Department, the Recreation Department, and other City agencies dispose of their field trash in the compactor.

Purpose: The purpose of this project is to purchase a new trash compactor. A new compactor will allow City agencies to continue bringing refuse to be compacted, resulting in denser container and/or trailer loads with fewer trips to the landfill. If the compactor is not replaced, these City agencies will have to pick up the cost of disposal within their respective operating budgets.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Equipment		60,000						\$60,000
City Funds		60,000						\$60,000
Matching Funds								\$0
Total	0	60,000	0	0	0	0	0	\$60,000

Trash Receptacles

Dept. Priority: 4

Description: This project would provide funding for the purchase of 175 new trash receptacles, with an expected life span of approximately ten years, thereby continuing the replacement of old existing brown bullet trash receptacles. Public Services would continue replacing the trash receptacles near the main thoroughfares, in Neighborhood Business Districts (NBDs), and in neighborhoods. Neighborhood trash receptacles would be placed in residential areas with high litter presence such as at bus stops, congested areas, and eateries. There are over 180 requests pending for trash receptacles. The communities of Northside and Madisonville have submitted the most requests. There have also been requests from other communities such as OTR, Westwood, Clifton, Riverside, Corryville, and Mt. Auburn, to name a few. There is a need to replace 13 old containers.

Purpose: The purpose of this project is to continue the replacement of old existing brown bullet trash receptables. The new trash receptacles would minimize or prevent litter accumulation in areas of high visibility near the Central Business District and near Neighborhood Business Districts. The new trash receptacles would replace the old trash receptacles that have met their expected life cycle, are unattractive, and require ongoing maintenance.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Equipment		90,000	150,000	150,000	150,000	150,000	150,000	\$840,000
City Funds	150,000	90,000	150,000	150,000	150,000	150,000	150,000	\$840,000
Matching Funds								\$0
Total	150,000	90,000	150,000	150,000	150,000	150,000	150,000	\$840,000

City Facility Hazard Correction

Dept. Priority: 7

Description: This project would provide funding to address employee health and safety concerns in City workplaces in response to legislative mandates and new OSHA, EPA, and OBBC code requirements in older City facilities. The project includes abatement of asbestos and lead paint, installation of fire safety devices, roof replacements, and the installation of HVAC systems to meet ASHRAE standards for indoor air quality.

Purpose: The purpose of this project is to provide funds to remediate existing conditions in City facilities that potentially pose harm to the health and welfare of City employees.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Engineering		10,000	10,000					\$20,000
Construction		140,000	140,000					\$280,000
City Funds	350,000	150,000	150,000					\$300,000
Matching Funds								\$0
Total	350,000	150,000	150,000	0	0	0	0	\$300,000

Sign Replacement**Dept. Priority:** 5**Description:**

This project would provide funding for the implementation of a sign program and would result in the replacement or new installation of 20,000 signs annually. This project would also complete the population of the sign inventory database, potentially avoid pole attachment fees, decrease the response time for traffic control sign service requests, improve the sign condition from unacceptable to excellent, and reduce the potential for City liability that could result from worn or faded signs. This project would accelerate the replacement cycle to seven years for the first citywide cycle in an effort to catch up on the replacement of the ever growing number of faded signs. Once completed in seven years, the replacement cycle could be adjusted to 10 years, decreasing the annual need. This project also addresses a CPR received from South Fairmont to replace faded street signs.

Purpose:

The purpose of this project is to maintain the reflective integrity of all traffic control signs, and replace signs on a scheduled basis. The project will take advantage of newer and longer lasting reflective materials, improve the condition of signs citywide, and reduce the City's liability associated with accidents caused by worn and faded signs. The project will also put the City in a good position to comply with Federal and State requirements for sign reflectivity that continue to be considered by the National Committee for Uniform Traffic Control Devices. If these standards are adopted, they could be used by the court system as a way of determining if signs had sufficient reflectivity to be seen by motorists involved in traffic crashes.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		0	70,000	70,000	70,000	70,000	70,000	\$350,000
Construction		0	346,000	761,000	450,900	536,100	354,400	\$2,448,400
City Funds		0	416,000	831,000	520,900	606,100	424,400	\$2,798,400
Matching Funds								\$0
Total	0	0	416,000	831,000	520,900	606,100	424,400	\$2,798,400

Capital Improvement Plan - Recreation

<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012</u> <u>Total</u>
<u>General Capital Fund</u>								
1	Recreation Facilities Renovation	2,365,200	1,680,200	1,952,000	1,845,000	1,854,300	1,819,400	\$11,516,100
2	Outdoor Facilities Renovation	455,000	1,706,000	1,504,000	1,275,200	1,284,500	1,249,700	\$7,474,400
3	Athletics Facilities Renovation	886,000	683,000	784,000	913,200	922,500	887,700	\$5,076,400
4	Compliance with ADA	100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
5	Information Systems PC Replacement Plan	130,000	130,000	130,000	130,000	130,000	130,000	\$780,000
General Capital Total:		3,936,200	4,299,200	4,470,000	4,263,400	4,291,300	4,186,800	\$25,446,900
Department of Recreation Total:		3,936,200	4,299,200	4,470,000	4,263,400	4,291,300	4,186,800	\$25,446,900

General Capital Fund**Recreation Facilities Renovation****Dept. Priority:** 1

Description: This project would provide funding for continued renovations of the Recreation Department's facilities throughout the City. Renovations would include roof replacements, installation of new HVAC systems, improvements/renovations to the exterior of the facilities, replacement of doors and windows, mechanical system improvements, upgrade of fire protection and security systems, and renovations of exterior softscapes and hardscapes. The Department would completely renovate the Hartwell Center. Additional facilities may be included, as well as community partnerships and emergency projects.

Purpose: The purpose of this project is to upgrade Recreation Department facilities across the City in order to extend the useful life of the Department's physical assets.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		400,600	160,000	340,300	270,000	200,700	260,300	\$1,631,900
Construction		1,365,200	1,300,000	1,071,400	1,105,000	1,352,500	1,198,800	\$7,392,900
Equipment		400,600	160,300	340,300	270,000	200,700	260,300	\$1,632,200
Other		198,800	59,900	200,000	200,000	100,400	100,000	\$859,100
City Funds	1,423,000	2,365,200	1,680,200	1,952,000	1,845,000	1,854,300	1,819,400	\$11,516,100
Matching Funds								\$0
Total	1,423,000	2,365,200	1,680,200	1,952,000	1,845,000	1,854,300	1,819,400	\$11,516,100

Outdoor Facilities Renovation**Dept. Priority:** 2

Description: This project would provide funding for the continued renovation of the Recreation Department's outdoor facilities: pools, playgrounds, play equipment, play surfaces, shelters, roadways, parking lots, and hike/bike trails. For pools, this project would include recirculating system renovations, upgrades to pool mechanical systems, adding new structures, and updating pool buildings. Major pool renovations would occur at Oyler and Ziegler pools. This project would also include renovating various playgrounds. The pavement management plan will be used to repair, replace, or add to the Department's hard surface areas at Dunham, Colerain/Shepard, and Roselawn. Community requests/partnerships and emergency projects will also be included.

Purpose: The purpose of this project is to upgrade outdoor recreational facilities that must be renovated to remain functional and compliant with City and State regulations.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		0	180,600	105,800	147,600	155,900	158,300	\$748,200
Construction		0	1,254,500	1,239,500	906,200	894,800	854,100	\$5,149,100
Equipment		0	180,600	105,800	147,600	155,900	158,300	\$748,200
Other		455,000	90,300	52,900	73,800	77,900	79,000	\$828,900
City Funds	1,723,500	455,000	1,706,000	1,504,000	1,275,200	1,284,500	1,249,700	\$7,474,400
Matching Funds								\$0
Total	1,723,500	455,000	1,706,000	1,504,000	1,275,200	1,284,500	1,249,700	\$7,474,400

Athletics Facilities Renovation**Dept. Priority:** 3

Description: This project would provide funding for the continued renovation of tennis courts, ballfields, soccer fields, football fields, hard surface play areas, bike trails, and indoor and outdoor basketball facilities. Work included would be resurfacing, regrading, infield renovation, turf renovations, gym floors color coating, fencing installations or renovations, drainage improvements, site amenities, and renovations. This project includes tennis court renovations at Lang and Oskamp. Ballfield renovations for leagues include Wayne, Sayler Park, and Riverside. Outdoor basketball facilities at Findlay, Schiller, Lower Price Hill, Avondale, Dyer, and Camp Washington would be resurfaced. Various areas would be renovated for Knothole. Community requests/partnerships and emergency projects are also included.

Purpose: The purpose of this project is to renovate and upgrade recreation athletic facilities to keep them safe and usable, and to improve the appearance of these facilities.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Engineering		82,200	73,800	85,000	63,100	94,500	61,700	\$460,300
Construction		680,500	498,500	571,500	755,400	686,300	733,500	\$3,925,700
Equipment		82,200	73,800	85,000	63,100	94,400	61,700	\$460,200
Other		41,100	36,900	42,500	31,600	47,300	30,800	\$230,200
City Funds	656,000	886,000	683,000	784,000	913,200	922,500	887,700	\$5,076,400
Matching Funds								\$0
Total	656,000	886,000	683,000	784,000	913,200	922,500	887,700	\$5,076,400

Compliance with ADA**Dept. Priority:** 4

Description: This project would provide funding to improve accessibility to all recreation facilities including buildings, playgrounds, and sports fields. Improvements would be made to elevators, ramps, exterior and interior doors, accessible routes, restroom facilities, drinking fountains, telephones, and parking area renovations including passenger loading zones.

Purpose: The purpose of this project is to remain in compliance with the provisions of the Americans with Disabilities Act in order to improve the usability of Recreation facilities for persons with disabilities.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Engineering		10,000	10,000	10,000	10,000	10,000	10,000	\$60,000
Construction		90,000	90,000	90,000	90,000	90,000	90,000	\$540,000
City Funds	100,000	100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
Matching Funds								\$0
Total	100,000	100,000	100,000	100,000	100,000	100,000	100,000	\$600,000

Information Systems PC Replacement Plan**Dept. Priority:** 5

Description: This project would provide funding for the Recreation Department's information systems. The Recreation Department currently has 314 personal computers in operation at various facilities throughout the City. The useful life of a typical personal computer is four to five years based on the industry standard. Currently over 100 personal computers located in the Recreation Department are more than four years old and in need of replacement. Project funding would provide the necessary funds to replace the obsolete equipment and restore a capital project for information systems that was eliminated in 2001.

Purpose: The purpose of this project is to provide funding for the Recreation Department's information systems. Aging equipment has a negative effect on the efficiency and effectiveness of field and IT staff. This project will eliminate numerous problems daily and down time of equipment. This project will eliminate the phasing out of public personal computer access at most of Recreation's sites. The community relies on this access to the internet and phasing out the access would have a negative impact on citizens.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		130,000	130,000	130,000	130,000	130,000	130,000	\$780,000
City Funds		130,000	130,000	130,000	130,000	130,000	130,000	\$780,000
Matching Funds								\$0
Total	0	130,000	130,000	130,000	130,000	130,000	130,000	\$780,000

Capital Improvement Plan - Regional Computer Center

<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
<u>General Capital Fund</u>								
1	Communications Master Plan	75,000	415,200	355,800				\$846,000
2	CAGIS Infrastructure	98,600	40,000	40,000	98,600	98,600	98,600	\$474,400
3	CFS Client Server	100,000	50,000	50,000	200,000	100,000	100,000	\$600,000
4	Active Directory / Server Consolidation	168,000		50,000		168,000	50,000	\$436,000
5	Data Infrastructure Security	184,600	148,400	133,500	133,500	133,500	200,000	\$933,500
6	Electronic Government	319,700	234,600					\$554,300
7	Desktop Asset Management		50,000	50,000	50,000	50,000	50,000	\$250,000
9	Telephone System Upgrade and Replacement			50,000	50,000	50,000	50,000	\$200,000
10	Info Technology Strategic Initiative			132,200	289,600	227,000	258,400	\$907,200
General Capital Total:		945,900	938,200	861,500	821,700	827,100	807,000	\$5,201,400
<u>Telecommunications Services Fund</u>								
0	Radio Communications Equipment	30,000	30,000	30,000	30,000			\$120,000
Telecommunications Services Total:		30,000	30,000	30,000	30,000	0	0	\$120,000
Department of Regional Computer Center Total:		975,900	968,200	891,500	851,700	827,100	807,000	\$5,321,400

General Capital Fund**Communications Master Plan****Dept. Priority:** 1

Description: This project would provide funding to continue the implementation of the multi-year strategy for upgrading the City's communications network. In 2004 the RCC/CTS paid a consultant approximately \$50,000 to assist with the development of a Communications Network Master Plan for all of the City's communications resources including voice, data, and video. In the spring of 2004 consulting engineers conducted extensive discussions with all City agencies and reviewed all communications resources available to the City. The consultants recommended the multi-year strategy for upgrading the City's communications network.

Purpose: The purpose of this project is to continue to address the current issues with the City's MAN. The current issues include the following: 1) impending technological obsolescence, 2) known and predicted service bottlenecks, and 3) the lack of capacity for future growth. The project will follow five high level recommendations: 1) upgrade core electronics to support ring and customer traffic, addressing obsolescence -- complete by the end of 2006, 2) upgrade electronics at customer sites to eliminate bottlenecks, 3) construct new fiber facilities where feasible to lower leased line costs, 4) centralize management, planning, and standardization of MAN equipment, and 5) plan for voice over internet protocol (VIOP) communications.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Equipment		75,000	415,200	355,800				\$846,000
City Funds		75,000	415,200	355,800				\$846,000
Matching Funds								\$0
Total	0	75,000	415,200	355,800	0	0	0	\$846,000

CAGIS Infrastructure**Dept. Priority:** 2

Description: This project would provide 2007 and 2008 cyclical funding needed to support and maintain the City's digital database map. The CAGIS Infrastructure Project is a joint effort between the City, Cinergy, and Hamilton County to provide a common real time Geographical Information System (GIS) which enables efficiencies in GIS data collection, analysis, sharing, and management across the three major enterprises.

Purpose: The purpose of this project is to maintain the City's investment in the CAGIS system and to enhance the database by including the scanning of enterprise-wide easement and right-of-way drawings with links to related parcels. This project also continues the implementation of more productive database technologies. This will provide the ability to perform new online analyses of support business processes. Departments will have the ability to perform time sequence environmental and economic analyses on GIS datasets, as well as gain the ability to view easement and right-of-way features on database parcels.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Equipment		98,600	40,000	40,000	98,600	98,600	98,600	\$474,400
City Funds	65,700	98,600	40,000	40,000	98,600	98,600	98,600	\$474,400
Matching Funds		241,400	100,000	100,000	241,400			\$682,800
Total	65,700	340,000	140,000	140,000	340,000	98,600	98,600	\$1,157,200

CFS Client Server

Dept. Priority: 3

Description: This project would provide funding for the continued development of the Cincinnati Financial System (CFS). Project funding would include server replacement and would fulfill audit findings associated with disaster recovery and system backup.

Purpose: The purpose of this project is to provide funding for the maintenance of CFS and EIS to expand capacity to allow for public access to the systems. Trends in the development of e-government applications for the City require maintenance of the current systems coupled with the ability to expand capacity to handle public access to the systems.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		100,000	50,000	50,000	200,000	100,000	100,000	\$600,000
City Funds	180,000	100,000	50,000	50,000	200,000	100,000	100,000	\$600,000
Matching Funds								\$0
Total	180,000	100,000	50,000	50,000	200,000	100,000	100,000	\$600,000

Active Directory / Server Consolidation

Dept. Priority: 4

Description: This project would provide funding for required upgrades to the City's existing Metropolitan Area Network (MAN) due to new network requirements. The upgrades include the following enterprise-wide projects: 1) continued installation/implementation of Active Directory, 2) provide redundant storage at strategic points on the MAN, and 3) upgrade existing MAN monitoring equipment.

Purpose: The purpose of this project is to provide for the purchase of hardware and software to make the network faster, more reliable, more secure, and in compliance with financial audit recommendations.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		168,000		50,000		168,000	50,000	\$436,000
City Funds		168,000		50,000		168,000	50,000	\$436,000
Matching Funds								\$0
Total	0	168,000	0	50,000	0	168,000	50,000	\$436,000

Data Infrastructure Security

Dept. Priority: 5

Description: This project would provide funding for the continued development of the City's information and data infrastructure security policies and standards. Specific objectives include: 1) implementing a security layer between the City's new wireless network and the existing MAN infrastructure, 2) providing physical security for key MAN equipment locations, and 3) providing secure remote access to the City IT infrastructure through the use of tokens and Citrix remote access software.

Purpose: The purpose of this project is to define, measure, and report on the compliance of the City's information assets with corporate security policies, industry-standard security policies, and government regulations. This compliance is critical in protecting the City's physical and financial resources, legal position, employees, and other tangible assets against an increasing set of security threats. In addition to assuring compliance, this initiative will help facilitate the City's planning and prioritization of security risk in order to maximize the security posture of the City's infrastructure.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		184,600	148,400	133,500	133,500	133,500	200,000	\$933,500
City Funds		184,600	148,400	133,500	133,500	133,500	200,000	\$933,500
Matching Funds								\$0
Total	0	184,600	148,400	133,500	133,500	133,500	200,000	\$933,500

Electronic Government**Dept. Priority:** 6**Description:**

The project would continue to provide funding for further development of a comprehensive program for the City to implement and enhance its first class presence on the Internet. Specific projects include Internet Streaming video services for public training, Council meetings, information distribution, and the implementation of an offsite disaster recover solution to protect the integrity of the data located on the E-Gov servers.

Purpose:

This project would enable the City to coordinate web site development to continue to improve quality, efficiency, and convenience for citizens and businesses. The City would continue to take advantage of new emerging technologies to enhance the City's use of the World Wide Web in delivering services. It provides a survey component for public participation (citizen interaction) and would enable access to new e-government services for individual citizens and organizations. It would further introduce e-business hardware and software products that will enhance e-government services delivery. The eGov project is a project area that has developed a web site with new services. Many additional services are planned as requested by the Mayor, Council, City Manager, City Agencies and our customers. (i.e. Secure Web Site visits, Language Translation service, On line job applications and payment services, Content Management Software, requests for new web page/site development, etc.) Continue to enhance our integrated web strategy, with the hardware and software developed and implemented by the Regional Computer Center and other eGov services providers. The hardware and software would continue and enhance e-government initiatives and new service delivery capabilities.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Equipment		319,700	234,600	0	0			\$554,300
City Funds		319,700	234,600	0	0			\$554,300
Matching Funds								\$0
Total	0	319,700	234,600	0	0	0	0	\$554,300

Desktop Asset Management**Dept. Priority:** 7**Description:**

This project would provide funding for proactive I/T asset management in the following ways: 1) leveraging I/T assets that City employees depend on for their core job functions, and 2) identifying the location of current I/T assets and how they are changing over time. This project would also provide: 1) electronic software distribution to users attached to the City's network, as well as integrated software and hardware inventory capabilities; and 2) the capacity to enforce standards and automatically verify software updates.

Purpose:

The purpose of this project is to manage software procurement in an effort to lower the cost of software acquisition by 5% to 10%, to reduce time for implementation by 30%, and to experience half of the failures associated with new technology.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Equipment		0	50,000	50,000	50,000	50,000	50,000	\$250,000
City Funds	70,200	0	50,000	50,000	50,000	50,000	50,000	\$250,000
Matching Funds								\$0
Total	70,200	0	50,000	50,000	50,000	50,000	50,000	\$250,000

Telephone System Upgrade and Replacement**Dept. Priority:** 9

Description: This project would provide funding to replace, upgrade, and enhance telephone and network systems managed by Communications Technology Services. Old systems that are difficult to maintain due to changes in technology and obsolescence would be replaced. Enhancements would include periodic upgrades to voicemail, and implementation of software that enables management of voicemail, fax, and email messages with the City's email platform. This project also includes the installation of network infrastructure that will reduce or eliminate higher recurring charges for leased services.

Purpose: The purpose of this project is to provide necessary upgrades and replacements to establish a reliable telephone system and enable access to new applications for several City buildings.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		0	0	50,000	50,000	50,000	50,000	\$200,000
City Funds	151,600	0	0	50,000	50,000	50,000	50,000	\$200,000
Matching Funds								\$0
Total	151,600	0	0	50,000	50,000	50,000	50,000	\$200,000

Info Technology Strategic Initiative**Dept. Priority:** 10

Description: This project would provide funding to high priority city-wide initiatives identified in the City of Cincinnati Information Technology Plan. The following eight high-priority initiatives have been identified in the Plan: Metropolitan Area Network, Management of Computing Assets, PC Video Conferencing, Document/Records Management, Common City Permitting, Contract Referral Management, Service Request Management, and a Human Resource Information System.

Purpose: The purpose of this project is to address the City's information technology needs by following the City's Information Technology Plan. The Information Technology Plan has established the following goals: 1) to provide City employees the technology and training they need to be the best they can be in their jobs; 2) to promote coordination and cooperation within multiple departments, and with non-City organizations; 3) to improve customer perception of the City as responsive to external and internal customers; and 4) to promote Cincinnati as a leader in leveraging information technology to improve services, efficiencies, and effectiveness.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other				132,200	289,600	227,000	258,400	\$907,200
City Funds				132,200	289,600	227,000	258,400	\$907,200
Matching Funds								\$0
Total	0	0	0	132,200	289,600	227,000	258,400	\$907,200

Telecommunications Services Fund**Radio Communications Equipment****Dept. Priority:** 0

Description: This project would provide funding to replace equipment used by the Radio Services Section to maintain radio communications equipment and the Civil Defense siren network.

Purpose: The purpose of this project is to provide equipment so that the City's investment in the Citywide Communications System and the CD Siren Network can be maintained.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		30,000	30,000	30,000	30,000			\$120,000
City Funds	30,000	30,000	30,000	30,000	30,000			\$120,000
Matching Funds								\$0
Total	30,000	30,000	30,000	30,000	30,000	0	0	\$120,000

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Capital Improvement Plan - Sewers

<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
<u>Stormwater Management Fund</u>								
1	Barrier Dam Motor Rewind Phase IV	1,100,000						\$1,100,000
2	Glenview Ave. Drainage Improvement	45,000						\$45,000
3	Barrier Dam Facility Repairs	200,000	181,000	250,000	280,000	89,000		\$1,000,000
5	West Fork Channel Repair	60,000						\$60,000
6	2632 Mendova Ln Storm Sewer Replacement		50,000	125,000	50,000			\$225,000
10	Ridgeland Place Storm Sewer Replacement		100,000		235,000			\$335,000
7	Guerley Rd, Outlet Rd to Sunset Ln. DI			10,000	115,000	696,200	53,800	\$875,000
9	Northern Ave. Drainage Improvement			20,000	200,000			\$220,000
8	St. Leo Place Drainage Correction				40,000	225,000		\$265,000
12	Duck Creek Channel Repair				205,000		205,000	\$410,000
11	Dunaway Ct. Drainage Correction					50,000	100,000	\$150,000
14	Dyer Street Drainage Improvements					106,400	851,000	\$957,400
Stormwater Management Total:		1,405,000	331,000	405,000	1,125,000	1,166,600	1,209,800	\$5,642,400
<u>MSD Capital Improvements Fund</u>								
1	1852 Columbia Parkway Sewer Separation D	486,800	3,615,200					\$4,102,000
2	CSO 191 Production Drive Grating Mods.	171,600						\$171,600
3	CSO 37 Maple Street Diversion Dam Impr.	194,500						\$194,500
4	CSO 39 64th St Diversion Dam Improvement	104,400						\$104,400
5	Muddy Crk CSO TP @ Werk & Westbourne	1,630,000			7,282,500			\$8,912,500
6	E Br Muddy Crk Interceptor Reloc Ph 1	29,518,400						\$29,518,400
7	Eastern/Delta Sewer Separation Ph 1	15,157,400						\$15,157,400
8	E Br Muddy Crk CSO Reloc/Elim Ph 1 West	1,693,300						\$1,693,300
9	Krohn Conservatory Sewer Relocation	561,000						\$561,000
10	CSO 125 Badgeley Run Outfall	2,240,400						\$2,240,400
11	CSO 482 Mitchell Avenue Outfall	2,150,400						\$2,150,400
12	Lick Run Interceptor Chamber	1,091,500						\$1,091,500
13	Combined Sewer System Capacity Program	6,210,000	6,427,400	6,652,300	6,885,100	4,750,700		\$30,925,500
14	Wooden Shoe Regulator CSO TP P/D/E	1,321,900			9,395,900			\$10,717,800
15	CSO 402 Topinabee Dr Regulator Imp Plng.	32,300	261,700					\$294,000
16	CSO 403 Elco St Diversion Dam Regulator	32,300	261,700					\$294,000
17	CSO 404 Ivanhoe St Regulator Imp Plan	32,300	261,700					\$294,000
18	CSO 405 Revere St Regulator Imp Plan	32,300	261,700					\$294,000
19	CSO 406 Kennebec St Regulator Imp Plan	32,300	261,700					\$294,000
20	McGrew Ave. PS Relocation	256,700						\$256,700
21	Hillside Ave Storage & Conveyance Tunnel	8,268,400	14,358,300			131,855,300		\$154,482,000
22	Water in Basement Prevention Program	1,612,400	1,668,800	1,727,300	1,787,700	1,850,300		\$8,646,500
23	Misc. HVAC Repair at LMTP and MCTP	1,000,000						\$1,000,000
24	Mill Creek Sodium Hypochlorite Facility	2,080,200						\$2,080,200
25	Polk Run WWTP Influent Bar Screen Rplmt.	219,600						\$219,600
26	MillCrk TP Aeration Tanks Diffusers Repl	171,200	2,813,900					\$2,985,100
27	LMWWTP Primary/Secondary Tank Reclaiming	9,243,700						\$9,243,700
28	WWT Telemetry Replacement	3,517,700						\$3,517,700
29	MSD Administration Bldg Rehab Ph 3	6,151,000						\$6,151,000
30	Muddy Creek WWTP Facility Study	351,600						\$351,600
31	MillCrk TP PwrPlnt Bld Asbestos Removal	521,800						\$521,800
32	Polk Run TP PS Odor Control	40,100	265,500					\$305,600
33	Muddy Crk WWTP Secondary Treatment Flow	10,770,600						\$10,770,600
35	Sycamore WWTP Upgrade Ph 4	2,127,500						\$2,127,500

Capital Improvement Plan - Sewers

<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
MSD Capital Improvements Fund								
37	LMWWTP Waste-Activated Sludge Thickening	2,412,300						\$2,412,300
38	Muddy CrkTP Influent/Effluent Pumping	3,474,500						\$3,474,500
39	MillCrkTP Chemically-Enhanced Primry	476,500			4,176,000			\$4,652,500
40	Mill Creek WWTP Facility Plan Study	334,300						\$334,300
41	Service Building Infrastructure	225,000						\$225,000
42	Paint Shop Building	38,000						\$38,000
43	MSD Garage Infrastructure Repair	460,000						\$460,000
44	Marview Terrace PS Emergency Repair	50,000						\$50,000
45	LaSalle PS Emergency Repairs	200,000						\$200,000
46	Hageman PS Emergency Repair	80,000						\$80,000
47	Barrington Hills/Barrington Hills Block	230,000						\$230,000
48	Emergency Sewer Repairs	5,175,000	5,356,100	5,543,600	5,737,600	5,938,400		\$27,750,700
49	BarringtonHls/BarringtonHls BlkF GVolz/Krk	1,178,700	150,000	7,226,900				\$8,555,600
50	National Distilleries Sewer Replacement	304,100						\$304,100
51	187 First St. Sewer Replacement & Design	137,700						\$137,700
52	Losantiville Rd & Schubert Ave Sewer Re	692,300						\$692,300
53	Colette Lane Sewer Replacement Design	19,800	232,100					\$251,900
54	Forestoak Court Sewer Replacement	45,000	482,000					\$527,000
55	Placid Meadows PS Elim Sewer Design	186,700		788,700				\$975,400
56	Pleasant Run Central Forcemain Sewer	656,800	100,000	3,869,500				\$4,626,300
57	Mt Wshington PS Upgrade Design	195,400	587,500					\$782,900
58	Dellway Ave Sewer Replacement Easements	75,000	2,832,700					\$2,907,700
59	Rutledge Area Sewer Replacement Constr.	741,100						\$741,100
60	Virginia Court & Bridgetown Rd Sewer Rep	707,000						\$707,000
61	Harrison Road/Race Road Sewer Repl.	150,400						\$150,400
62	Hillside Ave to River Rd R/W Sewer Rep.	46,000	291,400					\$337,400
63	Montgomery Rd and Lester Rd Sewer	2,299,900						\$2,299,900
64	Clough Rd Swr Abandonmnt/Lateral Reloc	43,000	209,700					\$252,700
65	Oaklawn Dr Sewer Replacement	47,800	212,900					\$260,700
66	Harvey Ave Sewer Replacement	493,700						\$493,700
67	Wulff Run Sewer Replacement	275,400						\$275,400
68	Bender Road Aerial Crossing Sewer Repl.	792,000						\$792,000
69	Coleridge Ave Sewer Replacement Design	82,800	269,400					\$352,200
70	School Section Rd Sewer Repl. Design	247,100	1,351,800					\$1,598,900
71	670 Rockdale Sewer Replacement	537,100						\$537,100
72	Graydon Ave Lateral & Mainline Repair	148,300						\$148,300
73	Central Pkwy. @ Hopple St. Sewer Repl.	104,500	593,000					\$697,500
74	Woodburn Ave Sewer Replacement Design	200,700	1,260,900					\$1,461,600
75	Beldare Ave/Hale Ave Lateral Repairs	133,600						\$133,600
76	Charlemar Dr Sewer Replacement Design	118,600	414,800					\$533,400
77	Burnet Ave/Northern Ave Replacement	431,300						\$431,300
78	Bathgate St/Whittier St Lateral/Mainline	181,400						\$181,400
79	Blair/Erkenbrecher Lateral/Mainline Rep.	311,000						\$311,000
80	Glenwood Ave @ Washington Ave Sewer Dsg.	16,700	85,200					\$101,900
81	Ravine St Sewer Replacement	277,800						\$277,800
82	Adams Rd & Hastings St Lateral/Mainline	150,700						\$150,700
83	West Knolls Ln Sewer Relocation	69,100	324,400					\$393,500
84	Eden Ave. Lateral & Mainline Repair	309,500						\$309,500
85	1110 W Galbraith Rd Service Lateral Rep	67,700						\$67,700

Capital Improvement Plan - Sewers

<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
<u>MSD Capital Improvements Fund</u>								
86	Shotcrete Sewer Work	517,500	535,600	554,400	573,800	593,800		\$2,775,100
87	Felicity Dr Main Line Repair Design	23,400	128,300					\$151,700
88	Lockland Rd/I-75 Ramp Sewer Repair	296,400						\$296,400
89	Hageman Ave PS Upgrade Design	76,600	642,300					\$718,900
90	Millbrook #2 PS Upgrade Design	209,400	573,500					\$782,900
91	High Meadows PS Upgrade Design	179,200	532,000					\$711,200
92	Arrowood PS Elimination Sewer Planning	119,100	666,700					\$785,800
93	Winton 1&2 & Sherwood PS Consolidation	1,108,500						\$1,108,500
94	Hengehold 4th & Yates 3rd PS	967,100						\$967,100
95	Tower East PS Elimination Planning	138,000	223,700		2,194,300			\$2,556,000
96	Daly Road Relief Sewer	6,901,300						\$6,901,300
97	Glenwood Ave. Sewer Repair	911,300						\$911,300
98	Diamond Oaks, Windmere 3rd & Regency Rdg PS	1,620,800						\$1,620,800
99	Harwinton Ln Sewer Replace Plan & Design	415,500		1,340,600				\$1,756,100
100	Mt St Joseph Sewer Replacement	981,800						\$981,800
101	Kemper Lane Sewer Repair	548,200						\$548,200
102	Centurion Estates PS Elimination	620,400						\$620,400
103	Millbrook #1 Pump Station Upgrade	655,100						\$655,100
104	Palisades Park PS 1&2 Elimination	1,095,200						\$1,095,200
105	Kenwood Rd PS Elimination Easements	50,000	1,977,300					\$2,027,300
106	Foley Forest, Dellwood Est, NorthBay Vil	51,800	1,576,700					\$1,628,500
107	Glenview PS Replacement Design	587,500						\$587,500
108	Trenchless Technology Sewer Rehab.	6,210,000	6,426,000	6,654,000	6,888,000	7,128,000		\$33,306,000
109	Trenchless Technology Manhole Repair	1,035,000	1,071,000	1,109,000	1,148,000	1,188,000		\$5,551,000
110	River Rd near Muddy Crk WWTP Conveyance	26,700	59,500	343,900				\$430,100
111	Wulff Run Interceptor Parallel Sewer	44,400	120,400					\$164,800
112	Muddy Crk PS Upgrade & Forcemain	633,600	1,707,200	9,327,500				\$11,668,300
113	West Branch Ohio River Interceptor Sewer	167,700	830,500	3,749,600		4,022,100		\$8,769,900
114	Taylor Rd Interceptor Sewer Ph 1 Design	450,100		4,819,000				\$5,269,100
115	Forfeit Run Interceptor Sewer Easements	114,000	4,078,400					\$4,192,400
116	Recreation Management	310,500	321,400	55,400		59,400		\$746,700
117	Little Miami Drainage RDI/I Investig.	200,000		1,000,000				\$1,200,000
118	Mill Creek Drainage Basin RDI/I Investig	2,000,000		13,000,000				\$15,000,000
119	Muddy Creek Drainage Basin RDI/I Investi	1,000,000		4,000,000				\$5,000,000
120	Polk Run Drainage Basin RDI/I Investig.	300,000		1,000,000				\$1,300,000
121	Sycamore Drainage Basin RDI/I Investig.	2,500,000		14,000,000				\$16,500,000
122	Home Sewer Treatment System Extensions	1,467,300	1,518,600	1,571,800	1,626,800	1,683,700		\$7,868,200
123	Program Management Consultant	7,500,000	7,500,000	8,000,000	8,000,000	8,000,000		\$39,000,000
124	Development Inspections	207,000						\$207,000
34	Mill Crk WWTP Anaerobic Digester Conv		617,200	7,337,000	5,738,700			\$13,692,900
36	Mill Crk TP Prelim/Primary Treatment Imp		23,825,600					\$23,825,600
125	Eastern/Delta Sewer Separation Ph 2		16,364,200					\$16,364,200
126	Eastern/Delta Sewer Separation Ph 3		10,972,300					\$10,972,300
127	Eastern/Delta Sewer Separation Ph 4		3,143,800					\$3,143,800
128	Muddy Crk WWTP East Branch Inter/PS Mod.		25,876,500					\$25,876,500
129	Muddy Crk WWTP East Branch Interceptor		7,850,800					\$7,850,800
130	Blue Rock Rd Sewer Separation		113,500	205,600				\$319,100
131	Ross Run Sewer Separation		1,430,100					\$1,430,100
132	Anthony Wayne Reg		1,938,900					\$1,938,900

Capital Improvement Plan - Sewers

<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012</u> <u>Total</u>
MSD Capital Improvements Fund								
133	Jamar SEP	259,200						\$259,200
134	CSO 194 High Point Sewer Separation	263,300		476,900	3,906,400			\$4,646,600
135	CSO 195 Westwood Northern Sewer Separ.	178,700		323,700				\$502,400
136	CSO 525 Mt. Airy Grating Sewer Separ.	153,800		278,500				\$432,300
137	CSO 471 Grandin Rd Regulator Improvement	16,900		30,600				\$47,500
138	CSO 470 Eastern Ave Sewer Separation	98,100		177,600		1,560,200		\$1,835,900
139	Broadview Dr & Country Club Pl Sewer Sep	2,544,800						\$2,544,800
140	Kinney Ave Overflow Removal	401,700						\$401,700
141	Mill Crk Centralized Operational Monitor	23,000		499,400				\$522,400
142	Mill Crk WWTP Additional Thickening Ctr.	22,100		457,900	3,442,600	2,494,300		\$6,416,900
143	Winton 1&2 and Sherwood PS Eliminations	1,672,200						\$1,672,200
144	Colerain Ave & North Bend Rd Conveyance	381,500		946,600				\$1,328,100
145	Colerain Ave & Galbraith Rd Storage Fac.	1,114,600		2,018,900		17,116,200		\$20,249,700
146	Dry Run Area Sewers Ph 1	4,900,900						\$4,900,900
147	Dry Run Area Sewers Ph 2	8,541,900						\$8,541,900
148	East Branch Muddy Crk Interceptor CSO			3,991,400				\$3,991,400
149	CSO 476 Clough Crk Div Dam Regulator Imp			17,500	31,700			\$49,200
150	CSO 85 Wooster Pk Sewer Separation			145,600	263,800			\$409,400
151	CSO 86 Archer St Sewer Separation			155,400	281,500			\$436,900
152	Mill Crk WWTP Secondary Treatment Enhanc			24,111,700				\$24,111,700
153	Britney Acres PS Upgrade			1,299,500				\$1,299,500
154	Beechmont Ave Replacement Sewer			235,400	426,400			\$661,800
155	Birney Ln Replacement Sewer			125,100	226,600			\$351,700
156	Spindlehill Dr at Beechmont Estates Stor			1,248,200	3,871,600			\$5,119,800
157	Clough Pk Replacement Sewer (btwn Batavi			1,239,700	2,245,300			\$3,485,000
158	Clough Pk Replacement Sewer (btwn Bartle			153,500	278,100			\$431,600
159	Berkshire Rd Replacement Sewer			192,500	348,700			\$541,200
160	CSO 472 Turpin St Storage Facility			447,700	931,600			\$1,379,300
161	Delhi Rd & Oakwood Park Dr Storage Facil				579,900	1,050,400		\$1,630,300
162	I-275 & Springfield				145,000			\$145,000
163	I-275 and Underwood				97,600			\$97,600
164	I-275 & Kemper				101,600			\$101,600
165	John Gray				543,400			\$543,400
166	Mill Creek WWTP Architectural Upgrade				3,442,600	2,723,600		\$6,166,200
168	Country Club Estates PS Upgrade				23,800			\$23,800
169	Swr360Replemnt OakwoodPrkDr-Schroer Av				102,300	185,300		\$287,600
192	Remaining Asset Allowance				22,676,500	39,320,400		\$61,996,900
170	Mill & Vine Grating					18,700		\$18,700
171	Bernard & Reisenberg Grating					186,200		\$186,200
172	Smalley Grating					98,600		\$98,600
173	Blue Rock Rd Sewer Replacement					1,805,600		\$1,805,600
174	Oxley Grating					238,700		\$238,700
175	914 Oak					177,700		\$177,700
176	West of Bacon					18,700		\$18,700
177	Bacon					18,700		\$18,700
178	96 North Park					18,700		\$18,700
179	117 Charlotte					18,700		\$18,700
180	428 Cooper					18,700		\$18,700
181	Ridgeway					18,700		\$18,700

Capital Improvement Plan - Sewers

<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012</u> <u>Total</u>
<u>MSD Capital Improvements Fund</u>								
182	60 St Clair					18,700		\$18,700
183	41 Sherry					64,500		\$64,500
184	Indian Creek WWTP					20,200		\$20,200
185	Cleves Pump Station					840,700		\$840,700
186	Wulff Run Creek					235,600		\$235,600
187	Springfield Pk and Fleming Rd					200,800		\$200,800
188	Ronald Reagan					54,500		\$54,500
189	SSO 700 Storage					4,967,400		\$4,967,400
190	Little Miami PS-1					296,400		\$296,400
191	Little Miami SG-1					667,000		\$667,000
MSD Capital Improvements Total:		176,897,300	188,406,200	142,449,400	105,401,400	241,523,600	0	\$854,677,900
Department of Sewers Total:		178,302,300	188,737,200	142,854,400	106,526,400	242,690,200	1,209,800	\$860,320,300

Stormwater Management Fund**Barrier Dam Motor Rewind Phase IV****Dept. Priority:** 1**Description:**

This project would provide funding for the last phase of the remanufacturing of the Barrier Dam pump motors. Stormwater Management and the Metropolitan Sewer District (MSD) undertook a technical evaluation of the pumping machinery to assess and determine action necessary to assure continued reliability of the pumping station equipment. MSD Treatment Division engineering staff recommended that to assure continued reliability and utility of this asset, the Barrier Dam Pump Station pump motors that were installed in 1946 should be remanufactured.

Purpose:

The purpose of this project is to complete the last phase of the remanufacturing of the Barrier Dam pump motors. The pump motor replacements are needed to perform Barrier Dam operations during the flood season, and to protect the Mill Creek valley from flooding.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		1,100,000	0					\$1,100,000
City Funds	1,300,000	1,100,000	0					\$1,100,000
Matching Funds								\$0
Total	1,300,000	1,100,000	0	0	0	0	0	\$1,100,000

Glenview Ave. Drainage Improvement**Dept. Priority:** 2**Description:**

This project would provide funding for the construction of a new culvert/slotted drain, repair of asphalt ditches, and other drainage improvements along Glenview Avenue.

Purpose:

The purpose of this project is to improve drainage along Glenview Avenue and repair existing facilities in conjunction with the DOTE road stabilization project.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		40,000						\$40,000
Other		5,000						\$5,000
City Funds		45,000						\$45,000
Matching Funds								\$0
Total	0	45,000	0	0	0	0	0	\$45,000

Barrier Dam Facility Repairs**Dept. Priority:** 3**Description:**

This project would provide funding for the repair of the main building housing the pumps, motors, and electrical equipment which have stress cracks and other signs of failure. The 50 year old building is in need of constant maintenance to remain operational. This project would include the repair and replacement, as applicable, of miscellaneous doors, windows, ventilation system, building crane, traveling crane, crane drive system, or other miscellaneous repairs to the main facility.

Purpose:

The purpose of this project is to extend the useful life of the Barrier Dam Facility.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		90,000						\$90,000
Construction		110,000	181,000	250,000	280,000	89,000		\$910,000
City Funds		200,000	181,000	250,000	280,000	89,000		\$1,000,000
Matching Funds								\$0
Total	0	200,000	181,000	250,000	280,000	89,000	0	\$1,000,000

West Fork Channel Repair**Dept. Priority:** 5**Description:** This project would provide funding to replace a portion of the wall system along the West Fork Channel.**Purpose:** The purpose of this project is to replace a portion of the wall that has failed in the West Fork Channel.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		10,000						\$10,000
Construction		50,000						\$50,000
City Funds		60,000						\$60,000
Matching Funds								\$0
Total	0	60,000	0	0	0	0	0	\$60,000

2632 Mendova Ln Storm Sewer Replacement**Dept. Priority:** 6**Description:** This project would provide funding to replace a failing storm sewer.**Purpose:** The purpose of this project is to replace a failing storm sewer which runs under the home located at 2632 Mendova Lane.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			20,000					\$20,000
Land			30,000					\$30,000
Construction				125,000	50,000			\$175,000
City Funds			50,000	125,000	50,000			\$225,000
Matching Funds								\$0
Total	0	0	50,000	125,000	50,000	0	0	\$225,000

Ridgeland Place Storm Sewer Replacement**Dept. Priority:** 10**Description:** This project would provide funding for the construction of a storm sewer and inlets running between Cypress Way and Ridgeland Place. First year funding would include the design and easement acquisition. The construction phase would be scheduled later to allow time for easements to be obtained.**Purpose:** The purpose of this project is to capture drainage from the right-of-way of Cypress Way and Ridgeland Place. If the drainage is not captured, it will run over land and flood private property.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			35,000					\$35,000
Land			65,000					\$65,000
Construction				0	235,000			\$235,000
City Funds			100,000	0	235,000			\$335,000
Matching Funds								\$0
Total	0	0	100,000	0	235,000	0	0	\$335,000

Guerley Rd, Outlet Rd to Sunset Ln. DI

Dept. Priority: 7

Description: This project would provide funding to study the drainage and flooding problems in the Guerley Road and Dunham Way areas. Future year funding would provide for the design and construction of drainage correction measures.

Purpose: The purpose of this project is to reduce the frequent street flooding on Guerley Road at and around its intersection with Dunham Way.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			0	10,000	85,000			\$95,000
Land				0	30,000			\$30,000
Construction					0	696,200	53,800	\$750,000
City Funds			0	10,000	115,000	696,200	53,800	\$875,000
Matching Funds								\$0
Total	0	0	0	10,000	115,000	696,200	53,800	\$875,000

Northern Ave. Drainage Improvement

Dept. Priority: 9

Description: This project would provide funding to construct a detention facility, storm sewers, and additional inlets on Northern Avenue near its intersection with Dury Avenue.

Purpose: The purpose of this project is to reduce or eliminate street flooding at the intersection of Northern Avenue and Dury Avenue.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			0	20,000				\$20,000
Construction				0	200,000			\$200,000
City Funds			0	20,000	200,000			\$220,000
Matching Funds								\$0
Total	0	0	0	20,000	200,000	0	0	\$220,000

St. Leo Place Drainage Correction

Dept. Priority: 8

Description: This project would provide funding to update the sewer intakes and improve the drainage in the area around St. Leo Place.

Purpose: The purpose of this project is to reduce intake clogging in the sewer system on the wooded hillside above St. Leo Place and to upsize the storm sewer system as necessary to accommodate any increased flows from the inlets.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			0		40,000			\$40,000
Construction						225,000		\$225,000
City Funds			0		40,000	225,000		\$265,000
Matching Funds								\$0
Total	0	0	0	0	40,000	225,000	0	\$265,000

Duck Creek Channel Repair

Dept. Priority: 12

Description: This project would provide funding to rehabilitate the existing concrete channel and wall system along a portion of the Duck Creek. The project will be broken into several phases due to the short season when work in the channel can be safely done.

Purpose: The purpose of this project is to rehabilitate the aging concrete on the channel floor and walls along Duck Creek.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			0		5,000		5,000	\$10,000
Construction			0		200,000		200,000	\$400,000
City Funds			0		205,000		205,000	\$410,000
Matching Funds								\$0
Total	0	0	0	0	205,000	0	205,000	\$410,000

Dunaway Ct. Drainage Correction

Dept. Priority: 11

Description: This project would provide funding for the construction of a new sewer system and inlets on Dunaway Court and East Tower Avenue.

Purpose: The purpose of this project is to reduce street and sidewalk flooding.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			0			50,000		\$50,000
Land			0				100,000	\$100,000
City Funds			0			50,000	100,000	\$150,000
Matching Funds								\$0
Total	0	0	0	0	0	50,000	100,000	\$150,000

Dyer Street Drainage Improvements

Dept. Priority: 14

Description: This project would provide funding for a new outfall sewer and drainage collection system along Dyer Street.

Purpose: The purpose of this project is to create positive drainage and reduce ponding along the right-of-way.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering				0		106,400		\$106,400
Construction						0	851,000	\$851,000
City Funds				0		106,400	851,000	\$957,400
Matching Funds								\$0
Total	0	0	0	0	0	106,400	851,000	\$957,400

MSD Capital Improvements Fund**1852 Columbia Parkway Sewer Separation D****Dept. Priority:** 1**Description:**

This project would provide funding for the replacement of approximately 2,200 feet of 36 inch, 48 inch, and 60 inch combined sewers from Eastern Avenue, 560 feet west of the intersection of Eastern Avenue and Lancaster Street, northwest to 2320 Victory Parkway, 250 feet north of the intersection of Victory Parkway and Cypress Street. This project also includes construction of approximately 2,050 feet of 36 inch reinforced concrete parallel storm sewer beginning near the intersection of Upland Place and Cypress Street, thence 1,800 feet southeast toward Columbia Parkway, ending at and connecting to the CSO 455 outfall south of Eastern Avenue. This project is located in the East Walnut Hills and East End neighborhoods of the City of Cincinnati.

Purpose:

The purpose of this project is to replace a severely deteriorated combined sewer which is experiencing shape loss, missing pipe sections, and heavy I/I. A parallel storm sewer is proposed, as well as an initial step toward future storm water separation of the area. Storm water separation will help to eliminate the need for a high rate treatment facility proposed as part of Wet Weather Improvement Program. This project will reduce I/I entering into the combined sewer and contribute to the future elimination of CSO 455 by providing storm water separation for the area. The scope of this project includes a portion of a project included in the Wet Weather Improvement Program in the East Ohio River-3 Cluster listed under Activity ID# 44440.

Phases	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		346,800						\$346,800
Land		140,000						\$140,000
Construction			3,615,200					\$3,615,200
City Funds		486,800	3,615,200					\$4,102,000
Matching Funds								\$0
Total	0	486,800	3,615,200	0	0	0	0	\$4,102,000

CSO 191 Production Drive Grating Mods.**Dept. Priority:** 2**Description:**

This project would provide funding for repairing the existing cofferdam and replacing a broken PVC flap gate in the outfall pipe of CSO 191. This project is located north of Production Drive and parallels Reinhold Drive. This project is located in the Roselawn neighborhood of the City of Cincinnati.

Purpose:

The purpose of this project is to replace the cofferdam and a fabricated PVC gate in the existing outfall of CSO 191. This project will reduce future bypasses of sewage into a creek.

Phases	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		38,600						\$38,600
Construction		133,000						\$133,000
City Funds		171,600						\$171,600
Matching Funds								\$0
Total	0	171,600	0	0	0	0	0	\$171,600

CSO 37 Maple Street Diversion Dam Impr.

Dept. Priority: 3

Description: This project would provide funding for installing a new headwall, outfall pipe, and flap valve in the outfall from CSO 37 to the Mill Creek. CSO 37 is located at the intersection of McGregor Avenue and Maple Street in the Village of Elmwood Place. The outfall pipe crosses beneath the CSX railroad tracks to the east bank of the Mill Creek and is located in the Carthage neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to replace a missing headwall, outfall pipe, and flap valve caused by erosion.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		19,000						\$19,000
Land		5,000						\$5,000
Construction		170,500						\$170,500
City Funds		194,500						\$194,500
Matching Funds								\$0
Total	0	194,500	0	0	0	0	0	\$194,500

CSO 39 64th St Diversion Dam Improvement

Dept. Priority: 4

Description: This project would provide funding for the installation of a new headwall, outfall pipe, and flap at the outfall of CSO 39 (64th Street Diversion Dam) located at the intersection of W. 64th Street and Rosewood Street. This project is located in the Carthage neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to install a new headwall, outfall pipe, and flap to remediate deterioration due to erosion at the east bank of the Mill Creek, west of CSO 39.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		12,300						\$12,300
Land		2,500						\$2,500
Construction		89,600						\$89,600
City Funds		104,400						\$104,400
Matching Funds								\$0
Total	0	104,400	0	0	0	0	0	\$104,400

Muddy Crk CSO TP @ Werk & Westbourne

Dept. Priority: 5

Description: This project would provide funding for a high-rate treatment facility to provide storage, settling, and screening for combined sewage at CSO 522 at Werk Road and Westbourne Drive. This project is located in Green Township.

Purpose: The purpose of this project is to remediate a source of frequent health, odor, and esthetic problems in the neighboring area due to CSO discharges.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		1,333,000						\$1,333,000
Land		297,000						\$297,000
Construction					7,282,500			\$7,282,500
City Funds		1,630,000			7,282,500			\$8,912,500
Matching Funds								\$0
Total	0	1,630,000	0	0	7,282,500	0	0	\$8,912,500

E Br Muddy Crk Interceptor Reloc Ph 1**Dept. Priority:** 6

Description: This project would provide funding for Phase 1, or the West Half of the project, which consists of the construction of approximately 2.8 miles of 42 inch gravity sewer and appurtenances, and the installation of 1 interceptor pump station along River Road from Bender Road to Fenimore Street. Phase 2, or the East Half of the project, would be requested at a later date and would consist of the construction of the remaining portion of the interceptor or approximately 2.4 miles of 15 to 42 inch gravity sewer and appurtenances, and the installation of 2 interceptor pump stations. This project is located in the Riverside neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to relocate the interceptor from its present location along the banks of the Ohio River to River Road, while increasing its capacity. This relocation is presented in the Wet Weather Improvement Plan. This project is required under Exhibit 1 of the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		155,300						\$155,300
Construction		29,363,100						\$29,363,100
City Funds		29,518,400						\$29,518,400
Matching Funds								\$0
Total	0	29,518,400	0	0	0	0	0	\$29,518,400

Eastern/Delta Sewer Separation Ph 1**Dept. Priority:** 7

Description: This project would provide funding for the installation of approximately 5,382 feet of 48 inch interceptor sewer by micro-tunneling and approximately 208 feet of 24 inch sanitary sewers from the Little Miami Wastewater Treatment Plant to the intersection of Eastern Avenue and Congress Avenue. This project is the first of four phases to eliminate the Delta Avenue Pump Station and provide High Water/Dry Weather Protection to five CSOs. This project is located in the East End and Columbia Tusculum neighborhoods of the City of Cincinnati.

Purpose: The purpose of this project is to eliminate 3 CSOs (467, 467A, 657) and the Delta Avenue Pump Station and to relocate 2 CSOs (468, 469) upstream to provide High Water/Dry Weather Protection. CSOs 467, 467A and 657 also require High Water/Dry Weather Protection. This project will also provide for the redevelopment of the Columbia Tusculum area of Cincinnati and greatly improve the water quality in the Ohio River within the area. This project consists of the installation of approximately 10,000 feet of sanitary and storm sewers to provide sewer separation between the areas of Delta Avenue, Kellogg Avenue, Carrell Street, and Eastern Avenue. This project is the first of four phases to eliminate the Delta Avenue Pump Station and provide High Water/Dry Weather Protection to five CSOs.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		20,700						\$20,700
Construction		15,136,700						\$15,136,700
City Funds		15,157,400						\$15,157,400
Matching Funds								\$0
Total	0	15,157,400	0	0	0	0	0	\$15,157,400

E Br Muddy Crk CSO Reloc/Elim Ph 1 West**Dept. Priority:** 8**Description:** This project would provide funding for the elimination of four CSOs 223, 410, 541, and 654 and the relocation of CSO 408. This project is located in the Riverside neighborhood in the City of Cincinnati.**Purpose:** The purpose of this project is to allow for the eliminations/relocations of the CSOs when the existing East Branch Muddy Creek Interceptor Phase 1 - West Half (CIP 1998-19-1) is relocated to River Road. This project is required under Exhibit 1 of the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		1,693,300						\$1,693,300
City Funds		1,693,300						\$1,693,300
Matching Funds								\$0
Total	0	1,693,300	0	0	0	0	0	\$1,693,300

Krohn Conservatory Sewer Relocation**Dept. Priority:** 9**Description:** This project would provide funding for installing approximately 630 feet of 12 inch sanitary sewer, manholes, and appurtenances, and for installing approximately 170 feet of 12 inch storm sewer and appurtenances to separate storm water flow from the Eden Park Drive sewer, upstream of the proposed combined sewer connection from Krohn Conservatory, to the Martin Drive sewer. This project is located in the East Walnut Hills and Mt. Adams neighborhoods in the City of Cincinnati.**Purpose:** The purpose of this project is to redirect combined sewer overflow from Krohn Conservatory to the existing Eden Park Drive sewer.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		5,200						\$5,200
Construction		555,800						\$555,800
City Funds		561,000						\$561,000
Matching Funds								\$0
Total	0	561,000	0	0	0	0	0	\$561,000

CSO 125 Badgeley Run Outfall**Dept. Priority:** 10**Description:** This project would provide funding for constructing an inflatable dam in the outfall pipe before it discharges into the West Fork Channel. Real-Time Control Strategies will be used to create storage opportunities to use the existing capacity of the combined sewer.**Purpose:** The purpose of this project is to use Real-Time Control Strategies to minimize the volume of discharge from the combined sewer during rain events.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		69,900						\$69,900
Construction		2,170,500						\$2,170,500
City Funds	410,000	2,240,400						\$2,240,400
Matching Funds								\$0
Total	410,000	2,240,400	0	0	0	0	0	\$2,240,400

CSO 482 Mitchell Avenue Outfall**Dept. Priority:** 11

Description: This project would provide funding for constructing an inflatable dam in the outfall pipe of CSO 482 into the Mill Creek. Real-Time Control strategies will be employed to create storage using the existing capacity within the outfall pipe.

Purpose: The purpose of this project is to minimize the volume of discharge from the combined sewer during rain events.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		7,100						\$7,100
Construction		2,143,300						\$2,143,300
City Funds	410,000	2,150,400						\$2,150,400
Matching Funds								\$0
Total	410,000	2,150,400	0	0	0	0	0	\$2,150,400

Lick Run Interceptor Chamber**Dept. Priority:** 12

Description: This project would provide funding for modifying the existing Lick Run Gates (CSO 5) in order to provide short-term storage of combined sewage during low to medium rainfall events. Real Time Control (RTC) strategies will be used to create storage opportunities within the existing combined sewer. This project is located in the South Fairmount neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to use Real Time Control (RTC) strategies to allow for storage and treatment of combined sewage that would otherwise have been released into the Mill Creek. The cost of storing flows using this technology is estimated to be \$1.42 per gallon compared to the traditional storage cost of \$3.36 per gallon. This project is required by the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		3,800						\$3,800
Construction		1,087,700						\$1,087,700
City Funds		1,091,500						\$1,091,500
Matching Funds								\$0
Total	0	1,091,500	0	0	0	0	0	\$1,091,500

Combined Sewer System Capacity Program**Dept. Priority:** 13

Description: This project would provide funding for coordination, prioritization, and scheduling of the Combined Sewer System Capacity Program Plan into a comprehensive Wet Weather Program, within the MSD service area.

Purpose: The purpose of this project is to develop a plan to address all capacity related Combined Sewer issues within the MSD service area, as required by the Global Consent Decree. In addressing the capacity of combined sewers in the service area, unpermitted overflows and WIBs will be addressed.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		6,210,000	6,427,400					\$12,637,400
Construction				6,652,300	6,885,100	4,750,700		\$18,288,100
City Funds		6,210,000	6,427,400	6,652,300	6,885,100	4,750,700		\$30,925,500
Matching Funds								\$0
Total	0	6,210,000	6,427,400	6,652,300	6,885,100	4,750,700	0	\$30,925,500

Wooden Shoe Regulator CSO TP P/D/E

Dept. Priority: 14

Description: This project would provide funding for planning, design easement acquisition, and construction of a treatment facility to provide storage, settling, and screening for combined sewage at the Wooden Shoe Regulator (CSO 217A) located east of Winton Road between Kings Run Drive and Dutch Colony Drive. This project is located in the Winton Hills neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to address the source of an annual average of 24 overflow events and is a source of odor and esthetic problems due to CSO discharges. This project is required by the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		1,066,700						\$1,066,700
Land		255,200						\$255,200
Construction					9,395,900			\$9,395,900
City Funds		1,321,900			9,395,900			\$10,717,800
Matching Funds								\$0
Total	0	1,321,900	0	0	9,395,900	0	0	\$10,717,800

CSO 402 Topinabee Dr Regulator Imp Png.

Dept. Priority: 15

Description: This project would provide funding for the planning and modeling required to determine improvements to maximize the underflow by capturing an increased portion of the wet weather overflow at the existing CSO 402 regulator and divert it to the West Branch Muddy Creek Interceptor. This project is located in the Sayler Park neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to enable the CSO 402 Topinabee Regulator to divert increased flows to the interceptor and reduce the volume of overflow into the Ohio River. This project is required by the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		32,300						\$32,300
Construction			261,700					\$261,700
City Funds		32,300	261,700					\$294,000
Matching Funds								\$0
Total	0	32,300	261,700	0	0	0	0	\$294,000

CSO 403 Elco St Diversion Dam Regulator

Dept. Priority: 16

Description: This project would provide funding for the planning and modeling required to determine improvements to maximize the underflow by capturing an increased portion of the wet weather overflow at the existing CSO 403 regulator and divert it to the West Branch Muddy Creek Interceptor. This project is located in the Sayler Park neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to enable the CSO 403 Elco Street Diversion Dam Regulator to divert increased flows to the interceptor and reduce the volume of overflow into the Ohio River. This project is required by the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		32,300						\$32,300
Construction			261,700					\$261,700
City Funds		32,300	261,700					\$294,000
Matching Funds								\$0
Total	0	32,300	261,700	0	0	0	0	\$294,000

CSO 404 Ivanhoe St Regulator Imp Plan**Dept. Priority:** 17

Description: This project would provide funding for the planning and modeling required to determine improvements to maximize the underflow by capturing an increased portion of the wet weather overflow at the existing CSO 404 regulator and divert it to the West Branch Muddy Creek Interceptor. This project is located in the Sayler Park neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to enable the CSO 404 Ivanhoe Street Regulator to divert increased flows to the interceptor and reduce the volume of overflow into the Ohio River. This project is required by the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		32,300						\$32,300
Construction			261,700					\$261,700
City Funds		32,300	261,700					\$294,000
Matching Funds								\$0
Total	0	32,300	261,700	0	0	0	0	\$294,000

CSO 405 Revere St Regulator Imp Plan**Dept. Priority:** 18

Description: This project would provide funding for the planning and modeling required to determine improvements to maximize the underflow by capturing an increased portion of the wet weather overflow at the existing CSO 405 regulator and divert it to the West Branch Muddy Creek Interceptor. This project is located in the Sayler Park neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to enable the CSO 405 Revere Street Regulator to divert increased flows to the interceptor and reduce the volume of overflow into the Ohio River. This project is required by the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		32,300						\$32,300
Construction			261,700					\$261,700
City Funds		32,300	261,700					\$294,000
Matching Funds								\$0
Total	0	32,300	261,700	0	0	0	0	\$294,000

CSO 406 Kennebec St Regulator Imp Plan**Dept. Priority:** 19

Description: This project would provide funding for the planning and modeling required to determine improvements to maximize the underflow by capturing an increased portion of the wet weather overflow at the existing CSO 406 regulator and divert it to the West Branch Muddy Creek Interceptor. This project is located in the Sayler Park neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to enable the CSO 406 Kennebec Street Regulator to divert increased flows to the interceptor and reduce the volume of overflow into the Ohio River. This project is required by the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		32,300						\$32,300
Construction			261,700					\$261,700
City Funds		32,300	261,700					\$294,000
Matching Funds								\$0
Total	0	32,300	261,700	0	0	0	0	\$294,000

McGrew Ave. PS Relocation

Dept. Priority: 20

Description: This project would provide funding for the construction of a local area pump station in order to eliminate SSO 1046. This project is located in the city of Sharonville.

Purpose: The purpose of this project is to eliminate Generally Inactive SSO 1046 and the potential for basement flooding. MSD has maintained a trailer-mounted 6 inch trash pump at the McGrew Avenue site since April 1996. The pump is unsightly, is an attraction for vandals, and its discharge hose discharges directly into the Mill Creek. Systemwide Model evidence confirms that rainfall-increased depth in the Mill Creek Interceptor flow back to the McGrew Avenue area and cause basement flooding.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		6,200						\$6,200
Construction		250,500						\$250,500
City Funds		256,700						\$256,700
Matching Funds								\$0
Total	0	256,700	0	0	0	0	0	\$256,700

Hillside Ave Storage & Conveyance Tunnel

Dept. Priority: 21

Description: This project would provide funding for the planning, modeling, and preliminary design of a 15 foot diameter, 8,500 foot long storage and conveyance tunnel. The tunnel will be designed with a low-flow channel to convey dry weather flow, but be of sufficient size to store the volume of wet weather flow from the Muddy Creek Drainage Basin. This project is located on Hillside Avenue between Cleves-Warsaw Road and River Road in Delhi Township and in the Sayler Park neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to construct a storage and conveyance tunnel to handle the increased volume of wet weather flow in the Muddy Creek Drainage Basin. This project will eliminate SSOs 692 and 697.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		8,268,400	14,358,300					\$22,626,700
Construction						131,855,300		\$131,855,300
City Funds		8,268,400	14,358,300			131,855,300		\$154,482,000
Matching Funds								\$0
Total	0	8,268,400	14,358,300	0	0	131,855,300	0	\$154,482,000

Water in Basement Prevention Program**Dept. Priority:** 22

Description: This project would provide funding for a countywide program to perform modifications on private property to eliminate sewage backups in buildings from wet weather-related surcharged sanitary and combined sewer systems. The program will investigate backup histories at a property. If the property is eligible, solutions such as installation of backflow prevention valves, pumping systems, plumbing changes, upgraded electrical services, waterproofing, recessed driveway filling, regarding of earth, or other technologies will be made. This project is located in Hamilton County.

Purpose: The purpose of this project is to eliminate Water-In-Basement problems in a more cost-effective way than upgrading area sewers. This project expects to eliminate WIB problems in approximately 200 homes at an average cost of \$37,500 per home.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		525,200						\$525,200
Land		2,200						\$2,200
Construction		1,085,000	1,668,800	1,727,300	1,787,700	1,850,300		\$8,119,100
City Funds		1,612,400	1,668,800	1,727,300	1,787,700	1,850,300		\$8,646,500
Matching Funds								\$0
Total	0	1,612,400	1,668,800	1,727,300	1,787,700	1,850,300	0	\$8,646,500

Misc. HVAC Repair at LMTP and MCTP**Dept. Priority:** 23

Description: This project would provide funding for replacing the air handling units at the dewatering and incinerator buildings and replacing the dry well air ventilation system at the Little Miami Wastewater Treatment Plant. This project consists of replacing the boilers and make-up air at the north pumps building and the service building at the Mill Creek Wastewater Treatment Plant. The Little Miami Plant is located in the East End neighborhood and the Mill Creek Plant is located in the Lower Price Hill neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to replace boilers and air handling units in operation since the 1950s at the Little Miami and Mill Creek WWTPs. The boilers use #2 fuel oil and are very inefficient. The units are in continuous repair because the maximum life cycle for the units is 20 years.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		67,200						\$67,200
Construction		932,800						\$932,800
City Funds		1,000,000						\$1,000,000
Matching Funds								\$0
Total	0	1,000,000	0	0	0	0	0	\$1,000,000

Mill Creek Sodium Hypochlorite Facility**Dept. Priority:** 24

Description: This project would provide funding for the construction of an on-site storage and a distribution facility for sodium hypochlorite.

Purpose: The purpose of this project is to meet NPDES permit requirements for the disinfection of effluent.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		2,080,200						\$2,080,200
City Funds		2,080,200						\$2,080,200
Matching Funds								\$0
Total	0	2,080,200	0	0	0	0	0	\$2,080,200

Polk Run WWTP Influent Bar Screen Rplmt.**Dept. Priority:** 25

Description: This project would provide funding for the installation of the third bar screen in the existing influent channel at the Polk Run Wastewater Treatment Plant. The additional bar screen will help screen additional flow to enable the Polk Run WWTP to treat up to 27 MGD. This project is located at the Polk Run WWTP in Symmes Township.

Purpose: The purpose of this project is to add the third bar screen to the 3 influent channels installed in 1995. At that time only 2 channels at 9 MGD each were required. The third channel was used for bypass flow. The Global Consent Decree requires MSD to eliminate SSOs 565 and 690 upstream of the Polk Run WWTP thereby necessitating the plant be able to treat flows up to 27 MGD. Installation of the third bar screen will enable the plant to treat the additional flow.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Engineering		6,600						\$6,600
Construction		213,000						\$213,000
City Funds		219,600						\$219,600
Matching Funds								\$0
Total	0	219,600	0	0	0	0	0	\$219,600

MillCrkTP Aeration Tanks Diffusers Repl**Dept. Priority:** 26

Description: This project would provide funding for replacing approximately 60,000 diffusers (approximately 10,000 per tank) in the aeration tanks and make modifications to the air headers at the Mill Creek Wastewater Treatment Plant. This project is located in the Lower Price Hill neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to replace aeration tank diffusers that have experienced performance degradation in the last several years. A random sampling of diffusers sent for testing in 2005 showed the diffusers to be 80-90% clogged. This results in coarse bubble diffusion, an increase in air required, and increased energy costs. This project also will review existing air header design and modifications to the header to allow recommended maintenance and cleaning to be performed.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Engineering		171,200	2,813,900					\$2,985,100
City Funds		171,200	2,813,900					\$2,985,100
Matching Funds								\$0
Total	0	171,200	2,813,900	0	0	0	0	\$2,985,100

LMWWTP Primary/Secondary Tank Rechainning

Dept. Priority: 27

Description: This project would provide funding for replacing the chains of the primary and secondary sludge collection processes at the Little Miami Wastewater Treatment Plant. This project is located in the East End neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to provide labor and material to replace the chains of the primary and secondary sludge collection processes. In 1995, The Little Miami Treatment Plant replaced the plastic chain used to move the primary and secondary sludge collector flight boards. The chain has reached its useful life. The plant is beginning to experience more frequent chain failures. The loss of the sludge collection system requires the tank to be taken offline and repaired. As a result, the plant has a reduced treatment capacity until the equipment is repaired. Also, a chain failure may cause other mechanical problems that would not have occurred if the processes were taken down as a result of a planned shutdown.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		255,800						\$255,800
Construction		8,987,900						\$8,987,900
City Funds		9,243,700						\$9,243,700
Matching Funds								\$0
Total	0	9,243,700	0	0	0	0	0	\$9,243,700

WWT Telemetry Replacement

Dept. Priority: 28

Description: This project would provide funding to replace the existing telemetry system in the entire MSD Wastewater Treatment system.

Purpose: The purpose of this project is to replace the 12 year old telemetry system in the entire MSD Wastewater Treatment system. The existing telemetry system is becoming obsolete.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		3,517,700						\$3,517,700
City Funds	150,000	3,517,700						\$3,517,700
Matching Funds								\$0
Total	150,000	3,517,700	0	0	0	0	0	\$3,517,700

MSD Administration Bldg Rehab Ph 3

Dept. Priority: 29

Description: This project would provide funding for the rehabilitation of the first and second floors of the MSD Administration Building and the first and second floors of the MSD Administration Annex to provide modern, efficient office space for the MSD Wastewater Engineering and Treatment staff. This project is located in the Lower Price Hill neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to rehabilitate and modernize the Pump and Administration Buildings (built in 1959) and the Administration Annex (built in 1969). Areas used within these structures do not meet current standards of accessibility, building code, appearance, and function of an office facility. The present layouts of each building are inefficient and expose the public to problems brought on by overcrowding. Separate functions within each building are not clearly identified. Offices are inappropriately sized in relation to job function. Files and records are not easily accessed. Many areas suffer extremely poor ventilation and lighting.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		6,151,000						\$6,151,000
City Funds		6,151,000						\$6,151,000
Matching Funds								\$0
Total	0	6,151,000	0	0	0	0	0	\$6,151,000

Muddy Creek WWTP Facility Study**Dept. Priority:** 30

Description: This project would provide funding to perform a comprehensive evaluation of liquid and solid treatment facilities at the Muddy Creek Wastewater Treatment Plant in order to recommend various process modifications. The Muddy Creek WWTP is located at 6125 River Road in the Saylor Park neighborhood of the City of Cincinnati.

Purpose: The purpose of this project is to review the plant process to ensure that the plant meets the overall performance and general intent of the Consent Decree and improve treatment effectiveness for the next twenty years. It will maximize overall plant capacity consistent with the Capacity Assurance Program (CAP) and the Long Term Control Plan, and reduce future equipment maintenance and operation costs to enhance overall wet stream treatment performance such that effluent requirements are met more consistently. It will recommend a solids management strategy to summarize existing solids processing O&M costs. It will develop solids balance for average day and peak monthly conditions, and review of the existing ash lagoon and possible future land use.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		351,600						\$351,600
City Funds		351,600						\$351,600
Matching Funds								\$0
Total	0	351,600	0	0	0	0	0	\$351,600

MillCrk TP PwrPlnt Bld Asbestos Removal**Dept. Priority:** 31

Description: This project would provide funding for the removal of asbestos and contaminated PCB oil from the power plant at the Mill Creek Wastewater Treatment Plant. This project is located in the Lower Price Hill neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to identify asbestos within the existing power plant building. The power plant was built in 1954 and was in operation through the late 1980s. The operation was halted due to competitive pricing by Cincinnati Gas & Electric, and internal operation and maintenance costs. Since the 1980s this building has been isolated because of safety concerns due to the large quantity of asbestos used to protect piping and equipment, as well as contaminated PCB oil.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		521,800						\$521,800
City Funds		521,800						\$521,800
Matching Funds								\$0
Total	0	521,800	0	0	0	0	0	\$521,800

Polk Run TP PS Odor Control**Dept. Priority:** 32

Description: This project would provide funding for the construction of an odor control system in the Polk Run Pump Station built in 2005. This project is located at the Polk Run Wastewater Treatment Plant in Symmes Township.

Purpose: The purpose of this project is to design and install an odor control system to minimize complaints made by neighbors about odors coming from the Polk Run Pump Station at the Polk Run WWTP since its installation in 2005. The new odor control system will capture odor from the pump station and grit collection dumpster by the bar screens. The Global Consent Decree requires MSD to eliminate SSO numbers 565 and 690 upstream of the plant and to treat additional flows up to 27 MGD.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		40,100						\$40,100
Construction			265,500					\$265,500
City Funds		40,100	265,500					\$305,600
Matching Funds								\$0
Total	0	40,100	265,500	0	0	0	0	\$305,600

Muddy Crk WWTP Secondary Treatment Flow**Dept. Priority:** 33

Description: This project would provide funding for improvements to increase the hydraulic and treatment capacity of the secondary treatment process at the Muddy Creek Wastewater Treatment Plant to enable the plant to treat a peak wet weather flow of 35 MGD. This project is located in the Saylor Park neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to improve the aeration system, secondary clarifiers, flow control pipes and valves, and mechanical/electrical systems control and data acquisition to increase the Muddy Creek WWTP wet weather treatment capacity from 28 to 35 MGD. This project is identified in the Wet Weather Improvement Plan (WWIP) as Project ID #30560.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		10,770,600						\$10,770,600
City Funds		10,770,600						\$10,770,600
Matching Funds								\$0
Total	0	10,770,600	0	0	0	0	0	\$10,770,600

Sycamore WWTP Upgrade Ph 4**Dept. Priority:** 35

Description: This project would provide funding for a replacement building to the Service Building damaged in the 2001 flood at the Sycamore Wastewater Treatment Plant. It would upgrade the solids management equipment, provide improvements to the site lighting, and replace the roofs of existing buildings. This project is located in Symmes Township.

Purpose: The purpose of this project is to provide the upgrade of the Sycamore WWTP that was included in the CSO Consent Decree. The existing Service Building is unhealthy to use and plant employees currently use trailers. MSDGC plans to apply for DEFA low interest loans for the construction of this upgrade.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		2,127,500						\$2,127,500
City Funds		2,127,500						\$2,127,500
Matching Funds								\$0
Total	0	2,127,500	0	0	0	0	0	\$2,127,500

LMWWTP Waste-Activated Sludge Thickening**Dept. Priority:** 37

Description: This project would provide funding for the replacement of the Dissolved Air Flotation (DAF) equipment used to thicken excess activated sludge prior to dewatering and incineration at the Little Miami Wastewater Treatment Plant. This project is located in the East End neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to replace equipment in the Activated Sludge Thickening building at the Little Miami WWTP. The equipment involved is used in the process of dewatering and incinerating approximately 15 dry tons of excess activated sludge per day. The DAF process was built in 1975 and is now at the end of its useful life. Parts are difficult to obtain and the process technology has changed.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		2,412,300						\$2,412,300
City Funds		2,412,300						\$2,412,300
Matching Funds								\$0
Total	0	2,412,300	0	0	0	0	0	\$2,412,300

Muddy CrkTP Influent/Effluent Pumping**Dept. Priority:** 38

Description: This project would provide funding for constructing additional influent and effluent pumping capacity to increase the firm delivery capacity to the Muddy Creek Wastewater Treatment Plant to 35 MGD and provide the same discharge capacity to the Ohio River at a high river stage. The Muddy Creek WWTP is located at 6125 River Road in the Sayler Park neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to upgrade and modify the Muddy Creek WWTP to allow it to treat peak wet weather flows up to 35 MGD as required by the Global Consent Decree and the Wet Weather Improvement Plan (WWIP). The current influent raw sewage pumping system consists of a pump station at the head of the plant that includes three 7 MGD and two 5 MGD pumps. Improvements will provide a firm pumping capacity of 35 MGD to the treatment plant with the largest pump out of service in any of those noted. The Muddy Creek WWTP requires an effluent pumping system when the Ohio River level approaches flood stage. The three existing effluent pumps have a capacity of up to 21 MGD. The Consent Decree mandates 35 MGD firm capacity.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		3,474,500						\$3,474,500
City Funds		3,474,500						\$3,474,500
Matching Funds								\$0
Total	0	3,474,500	0	0	0	0	0	\$3,474,500

MillCrkTP Chemically-Enhanced Primry**Dept. Priority:** 39

Description: This project would provide funding for the repair of the mixing tanks in poor condition, installation of chemical inducers for polymer addition, upgrade flights on primary tanks to ultra flights for higher collection production, upgrade the 12 existing primary sludge pumps, install a new primary sludge discharge pipe, upgrade starters, and add VFDs and electrical components at the Mill Creek Wastewater Treatment Plant. This project is located in the Lower Price Hill neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to modify the mixing tanks near the chemical building to induce polymer for the primary treatment process. The tanks are the original tanks from the 1950s and are in poor condition. This project is listed as an Early Action project in the Global Consent Decree and listed in the Wet Weather Improvement Plan as Project ID #44882.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		476,500						\$476,500
Construction					4,176,000			\$4,176,000
City Funds		476,500			4,176,000			\$4,652,500
Matching Funds								\$0
Total	0	476,500	0	0	4,176,000	0	0	\$4,652,500

Mill Creek WWTP Facility Plan Study

Dept. Priority: 40

Description: This project would provide funding for a comprehensive evaluation of liquid and solid treatment facilities that could lead to recommending various process modifications at the Mill Creek Wastewater Treatment Plant. This project is located in the Lower Price Hill neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to review plant processes at the Mill Creek WWTP to meet the next twenty years of operations. Studies of various sections of the plant were performed in the 1990s. This project will review and modify those studies, and incorporate them into one study to meet the overall goal of the organization. This report will also satisfy the WPCLF's recommendation that a single facility planning document outlining the future projects planned for the Mill Creek WWTP be created in order to provide an overall picture of the projects planned.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		334,300						\$334,300
City Funds		334,300						\$334,300
Matching Funds								\$0
Total	0	334,300	0	0	0	0	0	\$334,300

Service Building Infrastructure

Dept. Priority: 41

Description: This project would provide funding for replacing windows and performing masonry repair at the Service Building.

Purpose: The purpose of this project is to provide continued use of the Service Building.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		225,000						\$225,000
City Funds		225,000						\$225,000
Matching Funds								\$0
Total	0	225,000	0	0	0	0	0	\$225,000

Paint Shop Building

Dept. Priority: 42

Description: This project would provide funding for installing the slab and building for Paint Shop material storage.

Purpose: The purpose of this project is to provide the safe, effective storage of paint supplies.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		38,000						\$38,000
City Funds		38,000						\$38,000
Matching Funds								\$0
Total	0	38,000	0	0	0	0	0	\$38,000

MSD Garage Infrastructure Repair**Dept. Priority:** 43**Description:** This project would provide funding for replacing the boiler, upgrading the electric service, and upgrading the ventilation system.**Purpose:** The purpose of this project is to provide the continued use of the MSD Garage.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		460,000						\$460,000
City Funds		460,000						\$460,000
Matching Funds								\$0
Total	0	460,000	0	0	0	0	0	\$460,000

Marview Terrace PS Emergency Repair**Dept. Priority:** 44**Description:** This project would provide funding for replacing pumps, valves, piping, support structures, wet well, and control panels at the Marview Terrace Pump Station.**Purpose:** The purpose of this project is to provide reliable pump station operations at the Marview Terrace Pump Station.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		50,000						\$50,000
City Funds		50,000						\$50,000
Matching Funds								\$0
Total	0	50,000	0	0	0	0	0	\$50,000

LaSalle PS Emergency Repairs**Dept. Priority:** 45**Description:** This project would provide funding for replacing pumps, valves, piping, support structures, wet well, and control panels at the LaSalle Pump Station.**Purpose:** The purpose of this project is to provide reliable pump station operations and allow for the removal of temporary pumping that is in place at the LaSalle Pump Station.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		200,000						\$200,000
City Funds		200,000						\$200,000
Matching Funds								\$0
Total	0	200,000	0	0	0	0	0	\$200,000

Hageman PS Emergency Repair**Dept. Priority:** 46**Description:** This project would provide funding for replacing pumps, valves, piping, support structures, wet well, control panels, electrical conduits, and concrete repair at the Hageman Pump Station.**Purpose:** The purpose of this project is to provide reliable pump station operations and allow for the removal of temporary pumping that is in place at the Hageman Pump Station.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		80,000						\$80,000
City Funds		80,000						\$80,000
Matching Funds								\$0
Total	0	80,000	0	0	0	0	0	\$80,000

Barrington Hills/Barrington Hills Block**Dept. Priority:** 47**Description:** This project would provide funding for replacing pumps, valves, piping, support structures, wet well, control panels, electrical conduits, and floats at both the Barrington Hills and the Barrington Hills Block F Pump Stations.**Purpose:** The purpose of this project is to provide reliable pump station operations and allow for the removal of temporary pumping that is in place at the Barrington Hills and the Barrington Hills Block F Pump Stations.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		230,000						\$230,000
City Funds		230,000						\$230,000
Matching Funds								\$0
Total	0	230,000	0	0	0	0	0	\$230,000

Emergency Sewer Repairs**Dept. Priority:** 48**Description:** This project would provide funding for emergency sewer contracts throughout the Metropolitan Sewer District (MSD) system.**Purpose:** The purpose of this project is to enable MSD to respond to sewer emergencies which require immediate attention to preserve the public health and welfare.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		5,175,000	5,356,100	5,543,600	5,737,600	5,938,400		\$27,750,700
City Funds	3,000,000	5,175,000	5,356,100	5,543,600	5,737,600	5,938,400		\$27,750,700
Matching Funds								\$0
Total	3,000,000	5,175,000	5,356,100	5,543,600	5,737,600	5,938,400	0	\$27,750,700

BarringtonHls/BarringtonHls BlkF GVolz/Krk**Dept. Priority:** 49**Description:** This project would provide funding for the elimination of four existing pump stations and the installation of 7,650 feet of 15 inch elimination sewer in the Muddy Creek Drainage Basin. This project is located in Miami and Green Townships.**Purpose:** The purpose of this project is to eliminate four existing pump stations. The pump stations were constructed in 1984, 1984, 1974, and 1973, respectively. Installation of the 7,650 feet of 15 inch elimination sewer will give sewer service to unsewered areas and reduce annual operation and maintenance costs because of routine deterioration of the pump stations.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		1,178,700						\$1,178,700
Land			150,000					\$150,000
Construction				7,226,900				\$7,226,900
City Funds		1,178,700	150,000	7,226,900				\$8,555,600
Matching Funds								\$0
Total	0	1,178,700	150,000	7,226,900	0	0	0	\$8,555,600

National Distilleries Sewer Replacement**Dept. Priority:** 50**Description:** This project would provide funding for installing 425 feet of 12 inch sanitary sewer and appurtenances. This project is located in the Carthage neighborhood in the City of Cincinnati.**Purpose:** The purpose of this project is to replace a deteriorated sewer that is the source of bypasses at a private CSO (CSO 491) upstream of this project. The proposed replacement sewer will be located away from the Mill Creek, some 20 feet south of the existing sewer.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		5,700						\$5,700
Construction		298,400						\$298,400
City Funds		304,100						\$304,100
Matching Funds								\$0
Total	0	304,100	0	0	0	0	0	\$304,100

187 First St. Sewer Replacement & Design**Dept. Priority:** 51**Description:** This project would provide funding for replacing 215 feet of deteriorated 6 inch VIT sanitary sewer with new 8 inch pipe. The new sewer will begin at upstream manhole #10904016 located behind 187 First Street and continue approximately 215 feet downstream to manhole #10904005 located behind 183 First Street. This project is located in the Village of Addyston in Hamilton County.**Purpose:** The purpose of this project is to install a new 8 inch sewer and replace a severely deteriorated 6 inch sanitary sewer which is experiencing I/I, contributing to basement backups and contributing to increased annual maintenance costs.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		18,700						\$18,700
Land		10,000						\$10,000
Construction		109,000						\$109,000
City Funds		137,700						\$137,700
Matching Funds								\$0
Total	0	137,700	0	0	0	0	0	\$137,700

Losantiville Rd & Schubert Ave Sewer Re**Dept. Priority:** 52**Description:**

This project would provide funding for the replacement of approximately 2,320 feet of 8 inch and 10 inch sanitary sewer from approximately 150 feet east of the intersection of Losantiville Road and Schubert Avenue southwest through the Losantiville Country Club to a point on Langdon Farm Road approximately 680 feet northwest of the Intersection of Montgomery and Langdon Farm Roads. This project is located in the Pleasant Ridge neighborhood in the City of Cincinnati.

Purpose:

The purpose of this project is to replace a severely deteriorated sewer.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		692,300						\$692,300
City Funds		692,300						\$692,300
Matching Funds								\$0
Total	0	692,300	0	0	0	0	0	\$692,300

Colette Lane Sewer Replacement Design**Dept. Priority:** 53**Description:**

This project would provide funding for replacing approximately 154 feet of existing 12 inch sanitary sewer and approximately 35 feet of 6 inch PVC sewer lateral. This project is located in front of 8053 Colette Lane and continues west between two houses and will end in the rear yard of 8053 Colette Lane. This project is located in Springfield Township.

Purpose:

The purpose of this project is to replace an existing 12 inch deteriorated sanitary sewer.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		19,800						\$19,800
Construction			232,100					\$232,100
City Funds		19,800	232,100					\$251,900
Matching Funds								\$0
Total	0	19,800	232,100	0	0	0	0	\$251,900

Forestoak Court Sewer Replacement**Dept. Priority:** 54**Description:**

This project would provide funding for the replacement of approximately 555 feet of 12 inch sanitary sewer located approximately 445 feet east and 150 feet south of the intersection of Traskwood Circle and Forestoak Court continuing 670 feet south and 370 feet east of the same intersection of Traskwood Circle and Forestoak Court. This project is located in the Hyde Park neighborhood in the City of Cincinnati.

Purpose:

The purpose of this project is to replace a severely deteriorated sanitary sewer discovered through preventive maintenance.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Land		45,000						\$45,000
Construction			482,000					\$482,000
City Funds		45,000	482,000					\$527,000
Matching Funds								\$0
Total	0	45,000	482,000	0	0	0	0	\$527,000

Placid Meadows PS Elim Sewer Design**Dept. Priority:** 55

Description: This project would provide funding for eliminating the Placid Meadows Pump Station and installing 1,200 feet of 12 inch sanitary sewer. This project begins approximately 90 feet north of the intersection of Milgin Drive and Covedale Avenue and ends approximately 220 feet north of the intersection of Welland Drive and Kincardine Drive. This project is located in Delhi Township.

Purpose: The purposes of this project is to eliminate a pump station constructed in 1971.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		126,700						\$126,700
Land		60,000						\$60,000
Construction				788,700				\$788,700
City Funds		186,700		788,700				\$975,400
Matching Funds								\$0
Total	0	186,700	0	788,700	0	0	0	\$975,400

Pleasant Run Central Forcemain Sewer**Dept. Priority:** 56

Description: This project would provide funding for the installation of approximately 7,000 feet of 24 inch forcemain sewer. The new forcemain will parallel the existing Pleasant Run central 24 inch forcemain sewer beginning at 12011 Mill Road and continuing south on Mill Road approximately 7,000 feet to the intersection of Waycross Road and Mill Road. This project is located in Springfield Township.

Purpose: The purpose of this project is to install new parallel forcemain to address the condition of the existing, aging forcemain sewer whose flow would be very difficult to contain if failed. The existing forcemain was installed in 1973.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		656,800						\$656,800
Land			100,000					\$100,000
Construction				3,869,500				\$3,869,500
City Funds		656,800	100,000	3,869,500				\$4,626,300
Matching Funds								\$0
Total	0	656,800	100,000	3,869,500	0	0	0	\$4,626,300

Mt Wshington PS Upgrade Design**Dept. Priority:** 57**Description:**

This project would provide funding for replacing the existing Mount Washington Pump Station and forcemain. The pump station is located at 6009 Virbet Drive in the Mount Washington neighborhood in the City of Cincinnati.

Purpose:

The purpose of this project is to replace a pump station constructed in 1960. While topographic conditions in the area are favorable for installation of a gravity elimination sewer, the existing outlet sewers near this station are too high to drain the area. This would require extensive replacement of existing gravity sewers to a deeper depth; therefore, this project is for the replacement of the aging pump station.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		175,400						\$175,400
Land		20,000						\$20,000
Construction			587,500					\$587,500
City Funds		195,400	587,500					\$782,900
Matching Funds								\$0
Total	0	195,400	587,500	0	0	0	0	\$782,900

Dellway Ave Sewer Replacement Easements**Dept. Priority:** 58**Description:**

This project would provide funding for the acquisition of easements needed for the replacement of approximately 3,220 feet of combined sewer sized from 12 to 72 inches beginning approximately 170 feet west of the intersection of Van Buren Avenue and Whittier Street and continuing approximately 3,220 feet northeast to the intersection of Blair Court and Beresford Avenue. This project is located in the Avondale neighborhood in the City of Cincinnati.

Purpose:

The purpose of this project is to replace severely deteriorated sewers that are not candidates for internal lining. The existing sewers have required frequent maintenance in the past six years and have been the cause of overflowing manholes in the project area. Many of the sewer conduits in this area are constructed of segmented block, which triggers a broader area of collapse if one block fails.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Land		75,000						\$75,000
Construction			2,832,700					\$2,832,700
City Funds		75,000	2,832,700					\$2,907,700
Matching Funds								\$0
Total	0	75,000	2,832,700	0	0	0	0	\$2,907,700

Rutledge Area Sewer Replacement Constr.**Dept. Priority:** 59**Description:**

This project would provide funding for the replacement of approximately 650 feet of 18 inch and 20 inch combined sewer from approximately 150 feet southeast of the intersection of Century Avenue and Kreis Lane to approximately 85 feet west of the intersection of St Lawrence Avenue and Rutledge Avenue on the south side of St. Lawrence Avenue. This project is located in the Price Hill neighborhood in the City of Cincinnati.

Purpose:

The purpose of this project is to replace a severely deteriorated combined sewer.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		741,100						\$741,100
City Funds		741,100						\$741,100
Matching Funds								\$0
Total	0	741,100	0	0	0	0	0	\$741,100

Virginia Court & Bridgetown Rd Sewer Rep

Dept. Priority: 60

Description: This project would provide funding for the replacement of approximately 1,080 feet of 12 inch sanitary sewer from the intersection of Bridgetown Road and Virginia Court to 472 feet north on Virginia Court to approximately 608 feet east on Bridgetown Road. This project is located in Green Township.

Purpose: The purpose of this project is to replace a severely deteriorated sanitary sewer built in 1951. Part of this project will take place on Bridgetown Road, a heavily traveled thoroughfare.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Land		20,000						\$20,000
Construction		687,000						\$687,000
City Funds		707,000						\$707,000
Matching Funds								\$0
Total	0	707,000	0	0	0	0	0	\$707,000

Harrison Road/Race Road Sewer Repl.

Dept. Priority: 61

Description: This project would provide funding for the replacement of approximately 351 feet of 8 inch sanitary sewer from the intersection of Harrison Road and Race Road to approximately 351 feet east on Race Road. This project is located in Green Township.

Purpose: The purpose of this project is to replace a severely corroded sanitary sewer, built in 1939, that has required frequent maintenance. This sewer serves businesses and homes on Harrison Road.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		150,400						\$150,400
City Funds		150,400						\$150,400
Matching Funds								\$0
Total	0	150,400	0	0	0	0	0	\$150,400

Hillside Ave to River Rd R/W Sewer Rep.

Dept. Priority: 62

Description: This project would provide funding to replace approximately 280 feet of 8 inch deteriorated sanitary sewer between house numbers 4260 and 4258 River Road. Lateral connections will be reinstalled for these addresses. This project is located in the Riverside neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to replace two sections of a severely deteriorated 8 inch sanitary sewer. This project assumes the necessity to use pipe-bursting as the means of replacement.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		36,000						\$36,000
Land		10,000						\$10,000
Construction			291,400					\$291,400
City Funds		46,000	291,400					\$337,400
Matching Funds								\$0
Total	0	46,000	291,400	0	0	0	0	\$337,400

Montgomery Rd and Lester Rd Sewer**Dept. Priority:** 63

Description: This project would provide funding for the replacement of approximately 3,230 feet of 15 inch sanitary sewer from the intersection of Lester Road and Marryat Avenue along the north side of the existing railroad to the east side of Montgomery Road, approximately 290 feet south of the intersection of Montgomery Road and Lawndale Avenue. This project is in the Pleasant Ridge neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to replace a severely deteriorated sewer and provide additional system capacity that will allow the elimination of CSO #54. It will also provide capacity to eliminate SSO #1000.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		2,299,900						\$2,299,900
City Funds		2,299,900						\$2,299,900
Matching Funds								\$0
Total	0	2,299,900	0	0	0	0	0	\$2,299,900

Clough Rd Swr Abandonmnt/Lateral Reloc**Dept. Priority:** 64

Description: This project would provide funding to abandon 1,200 feet of 20 inch VCP sanitary sewer and to relocate the two remaining live service laterals connected to this sewer. The two service laterals to be rerouted are located at 5925 and 6006 Clough Road and will be relocated to an adjacent alternate sewer. This project is located in Anderson Township.

Purpose: The purpose of this project is to abandon approximately 1,200 feet of existing 20 inch VCP sanitary sewer that is continually sliding due to slippage in the nearby hill. Multiple repairs in the past have been performed to maintain this sewer that only services two live laterals. This project will also reroute the two remaining laterals to an alternate sewer in order to abandon the existing 20 inch sewer.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		33,000						\$33,000
Land		10,000						\$10,000
Construction			209,700					\$209,700
City Funds		43,000	209,700					\$252,700
Matching Funds								\$0
Total	0	43,000	209,700	0	0	0	0	\$252,700

Oaklawn Dr Sewer Replacement**Dept. Priority:** 65

Description: This project would provide funding for replacing an undersized segment of sanitary sewer beneath the railroad. The upstream and downstream sewer segments are 18 inches and the segment below the railroad is 8 inches. The project area is located south of 4870 Oaklawn Drive, in the rear of the yard. This project is located in the Madisonville neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to replace an undersized sanitary sewer to prevent future WIBs.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		32,800						\$32,800
Land		15,000						\$15,000
Construction			212,900					\$212,900
City Funds		47,800	212,900					\$260,700
Matching Funds								\$0
Total	0	47,800	212,900	0	0	0	0	\$260,700

Harvey Ave Sewer Replacement**Dept. Priority:** 66

Description: This project would provide funding for the replacement of approximately 250 feet of an 18 inch combined sewer from approximately 400 feet west of the intersection of Glenwood Avenue and Harvey Avenue to approximately 100 feet northwest of Harvey Avenue, 375 feet southwest of the intersection of Glenwood Avenue and Harvey Avenue. This project is located in the Avondale neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to replace a severely deteriorated sewer.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		493,700						\$493,700
City Funds		493,700						\$493,700
Matching Funds								\$0
Total	0	493,700	0	0	0	0	0	\$493,700

Wulff Run Sewer Replacement**Dept. Priority:** 67

Description: This project would provide funding for the replacement of approximately 240 feet of 8 inch sanitary sewer located approximately 410 feet south and 80 feet west of the intersection of Chapelview Court and Chapel Hill Drive, continuing 240 feet south to Wulff Run Road. The project is located in Delhi Township.

Purpose: The purpose of this project is to replace a severely deteriorated sanitary sewer that currently has open joints allowing the discharge of raw sewage.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		275,400						\$275,400
City Funds		275,400						\$275,400
Matching Funds								\$0
Total	0	275,400	0	0	0	0	0	\$275,400

Bender Road Aerial Crossing Sewer Repl.**Dept. Priority:** 68

Description: This project would provide funding for the replacement of approximately 75 feet of 24 inch sanitary sewer beginning approximately 210 feet west and 170 feet south of the intersection of Hillside Avenue and Bender Road, then continuing westward 75 feet. This project is located in the neighborhood of Riverside in the City of Cincinnati.

Purpose: The purpose of this project is to replace and relocate a severely deteriorated spiral-welded steel sewer pipe located above Bender Creek and the normal pool level of the Ohio River. This places the aerial sewer in the path of creek debris, including sections of fallen trees, which have resulted in several dents to the sewer and have displaced the aerial sewer concrete support piers.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		16,600						\$16,600
Land		70,000						\$70,000
Construction		705,400						\$705,400
City Funds		792,000						\$792,000
Matching Funds								\$0
Total	0	792,000	0	0	0	0	0	\$792,000

Coleridge Ave Sewer Replacement Design**Dept. Priority:** 69

Description: This project would provide funding for the replacement of approximately 365 feet of 8 inch sanitary sewer with new 15 inch sewer beginning at existing manhole #45107004 at approximately 365 feet north of the intersection of Dunloe Avenue and Coleridge Avenue and ending at the same intersection at existing manhole #45107002. This project is located in the Kennedy Heights neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to replace an existing 8 inch severely deteriorated sanitary sewer with a new 15 inch sewer.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		57,800						\$57,800
Land		25,000						\$25,000
Construction			269,400					\$269,400
City Funds		82,800	269,400					\$352,200
Matching Funds								\$0
Total	0	82,800	269,400	0	0	0	0	\$352,200

School Section Rd Sewer Repl. Design**Dept. Priority:** 70

Description: This project would provide funding for the replacement of approximately 1,960 feet of 12 inch sanitary sewer beginning at 4220 School Section Road to approximately 1,960 feet south to the intersection of School Section Road and Ruckle Lane. This project is located in the City of Cheviot and in Green Township.

Purpose: The purpose of this project is to replace a severely deteriorated sanitary sewer and increase the existing 8 inch sanitary sewer to a 12 inch pipe size to help eliminate surcharging.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		237,100						\$237,100
Land		10,000						\$10,000
Construction			1,351,800					\$1,351,800
City Funds		247,100	1,351,800					\$1,598,900
Matching Funds								\$0
Total	0	247,100	1,351,800	0	0	0	0	\$1,598,900

670 Rockdale Sewer Replacement**Dept. Priority:** 71

Description: This project would provide funding for abandoning 359 feet of combined sewer and relocating and replacing it with new 30 inch RCP conduit in a more suitable location. The new sewer will begin approximately 400 feet east of the intersection of Forest Avenue and Reading Road on Rockdale Road and continues approximately 400 feet north to existing manhole #36801014 located on Forest Avenue. This project is located in the neighborhood of Avondale in the City of Cincinnati.

Purpose: The purpose of this project is to replace a severely deteriorated combined sewer and replace and relocate it with a new 30 inch pipe size.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		41,900						\$41,900
Land		5,000						\$5,000
Construction		490,200						\$490,200
City Funds		537,100						\$537,100
Matching Funds								\$0
Total	0	537,100	0	0	0	0	0	\$537,100

Graydon Ave Lateral & Mainline Repair**Dept. Priority:** 72

Description: This project would provide funding for replacing seven service laterals in need of repair in sewer segment 37607030-37608038. The lateral repairs consist of replacing approximately 207 feet of 4 inch PVC conduit and 207 feet of 12 inch mainline, located between 3321 Graydon Avenue and 3336 Graydon Avenue. This project is in the neighborhood of Evanston located in the City of Cincinnati.

Purpose: The purpose of this project is to replace seven service laterals up to the right-of-way that have become separated or dropped from the 12 inch mainline.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		11,200						\$11,200
Land		5,000						\$5,000
Construction		132,100						\$132,100
City Funds		148,300						\$148,300
Matching Funds								\$0
Total	0	148,300	0	0	0	0	0	\$148,300

Central Pkwy. @ Hopple St. Sewer Repl.

Dept. Priority: 73

Description: This project would provide funding for replacing two segments of 18 inch sanitary sewer (320 feet) and one segment of 12 inch sanitary sewer (80 feet), located south of the intersection of Hopple Street and W. Martin Luther King, Jr. Drive on Central Parkway. This project is located in the Clifton University Heights neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to replace a severely deteriorated sanitary sewer. This sewer has been evaluated and was found not to be a candidate for lining.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Engineering		94,500						\$94,500
Land		10,000						\$10,000
Construction			593,000					\$593,000
City Funds		104,500	593,000					\$697,500
Matching Funds								\$0
Total	0	104,500	593,000	0	0	0	0	\$697,500

Woodburn Ave Sewer Replacement Design

Dept. Priority: 74

Description: This project would provide funding for the replacement of approximately 540 feet of sewer running from Blair Avenue northwest to Woodburn Avenue. This project is located in the Evanston neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to replace 210 feet of 24 inch sewer and 330 feet of 18 inch sewer that is severely deteriorated. This sewer has been reviewed for lining and was rejected.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Engineering		150,700						\$150,700
Land		50,000						\$50,000
Construction			1,260,900					\$1,260,900
City Funds		200,700	1,260,900					\$1,461,600
Matching Funds								\$0
Total	0	200,700	1,260,900	0	0	0	0	\$1,461,600

Beldare Ave/Hale Ave Lateral Repairs

Dept. Priority: 75

Description: This project would provide funding for replacing nine service laterals up to the right-of-way on Beldare Avenue and Hale Avenue that are badly deteriorated. This project is located in the Avondale neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to replace nine service laterals up to the right-of-way that are badly deteriorated. Design was essentially completed by Montgomery Watson Harza in 2005.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Engineering		10,100						\$10,100
Construction		123,500						\$123,500
City Funds		133,600						\$133,600
Matching Funds								\$0
Total	0	133,600	0	0	0	0	0	\$133,600

Charlemar Dr Sewer Replacement Design**Dept. Priority:** 76**Description:** This project would provide funding for replacing approximately 1,500 feet of 12 inch sewer that is severely deteriorated and corroded. This project is located in the Madisonville area in the City of Cincinnati.**Purpose:** The purpose of this project is to replace approximately 1,500 feet of 12 inch sewer that is severely deteriorated and corroded. This sewer has been reviewed for lining and was rejected.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		103,600						\$103,600
Land		15,000						\$15,000
Construction			414,800					\$414,800
City Funds		118,600	414,800					\$533,400
Matching Funds								\$0
Total	0	118,600	414,800	0	0	0	0	\$533,400

Burnet Ave/Northern Ave Replacement**Dept. Priority:** 77**Description:** This project would provide funding for the replacement of approximately 180 feet of 24 inch and 33 inch combined sewer under an existing building, which is in a partially collapsed state, from approximately 210 feet north and 160 feet west of the intersection of Burnet and Hearne Avenues, to Burnet Avenue approximately 130 feet north of the intersection of Burnet and Hearne Avenues. This project is located in the Avondale neighborhood in the City of Cincinnati.**Purpose:** The purpose of this project is to replace and relocate a severely deteriorated combined sewer currently located under an existing building.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		431,300						\$431,300
City Funds		431,300						\$431,300
Matching Funds								\$0
Total	0	431,300	0	0	0	0	0	\$431,300

Bathgate St/Whittier St Lateral/Mainline**Dept. Priority:** 78**Description:** This project would provide funding for replacing one lateral in need of repair in sewer segment 33805022-33805023 and two laterals in need of repair in sewer segment 33804022-33804029. The lateral repairs consist of replacing approximately 75 feet of 6 inch PVC conduit and 30 feet of 12 inch VCP mainline, located near 3042 Bathgate Street and 733 Whittier Street. This project is located in the Avondale neighborhood in the City of Cincinnati.**Purpose:** The purpose of this project is to replace three service laterals up to the right-of-way that have become separated or dropped from the mainline sewer.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		12,500						\$12,500
Land		5,000						\$5,000
Construction		163,900						\$163,900
City Funds		181,400						\$181,400
Matching Funds								\$0
Total	0	181,400	0	0	0	0	0	\$181,400

Blair/Erkenbrecher Lateral/Mainline Rep.**Dept. Priority:** 79

Description: This project would provide funding for replacing one lateral in sewer segment 33812034-33812035 and four laterals in sewer segment 33814003-33814005. The lateral repairs consist of replacing approximately 100 feet of 6 inch PVC conduit, 40 feet of 18 inch VCP mainline conduit, and 49 feet of 21 inch VCP mainline conduit on Blair Avenue and Erkenbrecher Street. This project is located in the Avondale neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to replace five service laterals up to the street right-of-way that have become separated or dropped from the mainline.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		18,800						\$18,800
Land		5,000						\$5,000
Construction		287,200						\$287,200
City Funds		311,000						\$311,000
Matching Funds								\$0
Total	0	311,000	0	0	0	0	0	\$311,000

Glenwood Ave @ Washington Ave Sewer Dsg.**Dept. Priority:** 80

Description: This project would provide funding for replacing approximately 38 feet of existing 10 inch sanitary sewer with a new 12 inch sewer and begins in the front of 565 Glenwood Avenue and continues north to a manhole in the street at 564 Glenwood Avenue. This project is located in the Avondale neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to replace an existing 12 inch deteriorated sanitary sewer.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		11,700						\$11,700
Land		5,000						\$5,000
Construction			85,200					\$85,200
City Funds		16,700	85,200					\$101,900
Matching Funds								\$0
Total	0	16,700	85,200	0	0	0	0	\$101,900

Ravine St Sewer Replacement

Dept. Priority: 81

Description: This project would provide funding for replacing two segments approximately 340 feet of 18 inch vitreous sanitary sewer, located south of the intersection of Straight and Ravine, on Ravine Street approximately 340 feet from the intersection. This project is located in the Clifton Heights neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to replace a severely deteriorated sanitary sewer.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		36,000						\$36,000
Land		2,000						\$2,000
Construction		239,800						\$239,800
City Funds		277,800						\$277,800
Matching Funds								\$0
Total	0	277,800	0	0	0	0	0	\$277,800

Adams Rd & Hastings St Lateral/Mainline

Dept. Priority: 82

Description: This project would provide funding for replacing five service laterals in need of repair in sewer segment 30407005-30410005. The lateral repairs consist of replacing approximately 70 feet of 6 inch sewer lateral and 25 feet of 8 inch mainline sewer, located in the alley between 1615 Adams Road and 7849 Hamilton Avenue. This project is located in the city of Mt. Healthy.

Purpose: The purpose of this project is to replace five service laterals up to the right-of-way that have become separated or dropped from the 8 inch mainline.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		11,300						\$11,300
Land		5,000						\$5,000
Construction		134,400						\$134,400
City Funds		150,700						\$150,700
Matching Funds								\$0
Total	0	150,700	0	0	0	0	0	\$150,700

West Knolls Ln Sewer Relocation**Dept. Priority:** 83

Description: This project would provide funding for abandoning 205 feet of combined sewer located underneath two existing buildings and relocating and replacing it with new 24 inch conduit in a more suitable location. The new sewer will begin approximately 52 feet south east of existing manhole #25213007 located behind 3025 West Knolls to existing manhole #25213003 located in the street in front of the property of 3017 West Knolls Lane. This project is located in the neighborhood of Westwood in the City of Cincinnati.

Purpose: The purpose of this project is to replace a severely deteriorated combined sewer located underneath two existing properties and replace and relocate the new 24 inch sewer in a more maintainable location. Existing sewers located underneath buildings are a liability and add increased difficulty to maintain.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		54,100						\$54,100
Land		15,000						\$15,000
Construction			324,400					\$324,400
City Funds		69,100	324,400					\$393,500
Matching Funds								\$0
Total	0	69,100	324,400	0	0	0	0	\$393,500

Eden Ave. Lateral & Mainline Repair**Dept. Priority:** 84

Description: This project would provide funding for replacing five service laterals in need of repair in sewer segment 33906003-33902020. The lateral repairs consist of replacing approximately 125 feet of 6 inch PVC conduit and 70 feet of 12 inch mainline sewer, located between 238 Forest Avenue and 3564 Eden Avenue. This project is located in the Avondale neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to replace five service laterals up to the right-of-way that have become separated or dropped from the mainline sewer.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		18,800						\$18,800
Land		5,000						\$5,000
Construction		285,700						\$285,700
City Funds		309,500						\$309,500
Matching Funds								\$0
Total	0	309,500	0	0	0	0	0	\$309,500

1110 W Galbraith Rd Service Lateral Rep**Dept. Priority:** 85**Description:**

This project would provide funding for replacing two service laterals in need of repair in sewer segment 32110007-32110011. The repairs consist of replacing approximately 50 feet of 6 inch PVC conduit. This project is located at 1110 W. Galbraith Road in Springfield Township.

Purpose:

The purpose of this project is to replace two service laterals up to the right-of-way that have become separated or dropped from the 8 inch mainline sewer.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Engineering		10,100						\$10,100
Land		5,000						\$5,000
Construction		52,600						\$52,600
City Funds		67,700						\$67,700
Matching Funds								\$0
Total	0	67,700	0	0	0	0	0	\$67,700

Shotcrete Sewer Work**Dept. Priority:** 86**Description:**

This project would provide funding for rehabilitating large-diameter sewers at various locations in Hamilton County.

Purpose:

The purpose of this project is to prevent the collapse of certain large-diameter sewers and prevent damage to public and private property.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Construction		517,500	535,600	554,400	573,800	593,800		\$2,775,100
City Funds		517,500	535,600	554,400	573,800	593,800		\$2,775,100
Matching Funds								\$0
Total	0	517,500	535,600	554,400	573,800	593,800	0	\$2,775,100

Felicity Dr Main Line Repair Design**Dept. Priority:** 87**Description:**

This project would provide funding for the replacement of approximately 165 feet of 24 inch sewer running between 3318 Felicity Drive and 3314 Felicity Drive. This project is located at 3318 Felicity Drive in the Westwood neighborhood in the City of Cincinnati.

Purpose:

The purpose of this project is to replace 165 feet of 24 inch sewer that is severely deteriorated. This segment has been reviewed for lining and was rejected.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Engineering		18,400						\$18,400
Land		5,000						\$5,000
Construction			128,300					\$128,300
City Funds		23,400	128,300					\$151,700
Matching Funds								\$0
Total	0	23,400	128,300	0	0	0	0	\$151,700

Lockland Rd/I-75 Ramp Sewer Repair**Dept. Priority:** 88

Description: This project would provide funding for abandoning 240 feet of 10 inch concrete sanitary sewer and installing 250 feet of new sewer using trenchless technology due to the proximity of an existing highway ramp. The new sewer relocation is located at the Lockland Road exit off of I-75 South. This project is located in the city of Lincoln Heights.

Purpose: The purpose of this project is to abandon approximately 240 feet of existing 10 inch concrete sanitary sewer and will install and relocate 250 feet of new sewer because of septic sewage ponding due to a dropped mainline. This is causing significant odor and maintenance problems.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		41,900						\$41,900
Land		5,000						\$5,000
Construction		249,500						\$249,500
City Funds		296,400						\$296,400
Matching Funds								\$0
Total	0	296,400	0	0	0	0	0	\$296,400

Hageman Ave PS Upgrade Design**Dept. Priority:** 89

Description: This project would provide funding for upgrading the existing pump station. The project is located at 3281 Hageman Avenue in the city of Sharonville.

Purpose: The purpose of this project is to upgrade the existing pump station that is over 36 years old. Most of the structure is in bad shape and MSD has been under OEPA direct order since the early 1990s to eliminate the station's sanitary overflow. The pump station does not have the required secondary power and topographic condition is not favorable to eliminate the station with a gravity sewer.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		74,600						\$74,600
Land		2,000						\$2,000
Construction			642,300					\$642,300
City Funds		76,600	642,300					\$718,900
Matching Funds								\$0
Total	0	76,600	642,300	0	0	0	0	\$718,900

Millbrook #2 PS Upgrade Design**Dept. Priority:** 90

Description: This project would provide funding for replacing/upgrading the existing Millbrook #2 Pump Station, and upsizing and relocating a new forcemain. This project is located in Springfield Township.

Purpose: The purpose of this project is to replace the deteriorated, aging, and undersized Millbrook #2 Pump Station.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		189,400						\$189,400
Land		20,000						\$20,000
Construction			573,500					\$573,500
City Funds		209,400	573,500					\$782,900
Matching Funds								\$0
Total	0	209,400	573,500	0	0	0	0	\$782,900

High Meadows PS Upgrade Design

Dept. Priority: 91

Description: This project would provide funding to eliminate an existing pump station in Anderson Township. This elimination sewer consists of the installation of approximately 1,500 linear feet of 8 inch sewer.

Purpose: The purpose of this project is to eliminate the High Meadows Pump Station.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		79,200						\$79,200
Land		100,000						\$100,000
Construction			532,000					\$532,000
City Funds		179,200	532,000					\$711,200
Matching Funds								\$0
Total	0	179,200	532,000	0	0	0	0	\$711,200

Arrowood PS Elimination Sewer Planning

Dept. Priority: 92

Description: This project would provide funding for constructing approximately 1,675 feet of gravity sewer to eliminate the existing Arrowood Pump Station. This project is located in Springfield Township.

Purpose: The purpose of this project is to eliminate an existing pump station that is aging. The upgrade of this facility will reduce future bypassing of waste, maintenance problems, and safety concerns. This project is listed in the Wet Weather Improvement Plan as Project ID #41520.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		114,300						\$114,300
Land		4,800						\$4,800
Construction			666,700					\$666,700
City Funds		119,100	666,700					\$785,800
Matching Funds								\$0
Total	0	119,100	666,700	0	0	0	0	\$785,800

Winton 1&2 & Sherwood PS Consolidation

Dept. Priority: 93

Description: This project would provide funding for the construction of a new pump station and standby generator to replace the Winton 1 and Winton 2 Pump Stations, a gravity sewer from the existing Winton 2 Pump Station to Winton 1 Pump Station, and a new force main in Winton Road. This project is located in Springfield Township.

Purpose: The purpose of this project is to replace three existing pump stations on the south side of the Winton Woods Hamilton County Park with a single new pump station that will have wet weather flow pumping capacity and standby power. Winton 1 and 2 Pump Stations will be abandoned. The Sherwood Pump Station will be eliminated. The new pump station will discharge to the Daly Road Interceptor that is the current receiving sewer of discharges from the three existing pump stations.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		25,500						\$25,500
Construction		1,083,000						\$1,083,000
City Funds		1,108,500						\$1,108,500
Matching Funds								\$0
Total	0	1,108,500	0	0	0	0	0	\$1,108,500

Hengehold 4th & Yates 3rd PS**Dept. Priority:** 94

Description: This project would provide funding for the installation of approximately 2,790 feet of 12 inch gravity sewer and appurtenances and the elimination of the Hengehold 4th and Yates 3rd Pump Stations. This project is located in the city of Cheviot and in Green Township.

Purpose: The purpose of this project is to eliminate two pump stations. This is a West Basin Early Action project in the Wet Weather Improvement Plan ID #20380.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		16,400						\$16,400
Construction		950,700						\$950,700
City Funds		967,100						\$967,100
Matching Funds								\$0
Total	0	967,100	0	0	0	0	0	\$967,100

Tower East PS Elimination Planning**Dept. Priority:** 95

Description: This project would provide funding for the installation of approximately 1,200 feet of sanitary sewer from the Towers East Pump Station to the Ponderosa Pump Station. This project would eliminate the Towers East Pump Station.

Purpose: The purpose of this project is to eliminate the Towers East Pump Station that was installed in 1971. This pump station requires high maintenance which requires the blockage of Shepherd Creek Road. This project is listed in the Wet Weather Improvement Plan Project ID #20460.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		138,000	223,700					\$361,700
Construction					2,194,300			\$2,194,300
City Funds		138,000	223,700		2,194,300			\$2,556,000
Matching Funds								\$0
Total	0	138,000	223,700	0	2,194,300	0	0	\$2,556,000

Daly Road Relief Sewer**Dept. Priority:** 96

Description: This project would provide funding for the installation of approximately 4,500 feet of 30 inch sewer to remove flow from sewer 161 at the Daly Road Vortex Separator and discharge the flow into an existing 66 inch sewer at Compton Road. The existing sewer 161 will remain in service as a local collector sewer. This project is located in Springfield Township.

Purpose: The purpose of this project is to mitigate surface flooding at manholes along the length of Sewer 161. The deteriorated sewer discharges raw sewage to the surface during heavy rains. The project will also increase the system capacity and allow the Daly Road Vortex Separator to be operated at full capacity.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		264,300						\$264,300
Construction		6,637,000						\$6,637,000
City Funds		6,901,300						\$6,901,300
Matching Funds								\$0
Total	0	6,901,300	0	0	0	0	0	\$6,901,300

Glenwood Ave. Sewer Repair

Dept. Priority: 97

Description: This project would provide funding for the replacement of approximately 680 feet of 30 inch sanitary sewer and appurtenances from a point 615 feet east of the intersection of Reading Road and Glenwood Avenue northeastwardly to a point approximately 500 feet north of Glenwood Avenue and 1,000 feet east of the intersection of Reading Road and Glenwood Avenue. This project is located in the Avondale neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to replace a badly deteriorated, undersized 12 inch sanitary sewer.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		911,300						\$911,300
City Funds		911,300						\$911,300
Matching Funds								\$0
Total	0	911,300	0	0	0	0	0	\$911,300

Diamond Oaks, Windmere 3rd & Regency Rdg PS

Dept. Priority: 98

Description: This project would provide funding for the installation of approximately 3,750 feet of new 12 inch gravity sewer and appurtenances to enable the elimination of the Diamond Oaks, Windmere 3rd, and Regency Ridge Pump Stations. This project is located in Green Township.

Purpose: The purpose of this project is to eliminate the 33 year old Diamond Oaks Pump Station which is at the end of its useful life, and the Windmere 3rd and Regency Ridge Pump Stations which must be eliminated or upgraded to address end-of-life issues at the Diamond Oaks Pump Station. This project is included in the Wet Weather Improvement Plan as Project ID #20420.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		1,000						\$1,000
Construction		1,619,800						\$1,619,800
City Funds		1,620,800						\$1,620,800
Matching Funds								\$0
Total	0	1,620,800	0	0	0	0	0	\$1,620,800

Harwinton Ln Sewer Replace Plan & Design

Dept. Priority: 99

Description: This project would provide funding for the replacement of approximately 2,000 feet of 12 inch sanitary sewer from 50 feet west of Harborside Drive, 275 feet northeast of the intersection of Harborpoint Drive and Harborside Drive, to Lawrence Road, 270 feet west of the intersection of Lawrence Road and Tolland Court. This project is located in Green Township.

Purpose: The purpose of this project is to replace a severely deteriorated sanitary sewer and increase the existing sanitary sewer size to help eliminate wet weather surcharging and flooding. This project is listed in the Wet Weather Improvement Plan as Project ID #30680.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		215,500						\$215,500
Land		200,000						\$200,000
Construction				1,340,600				\$1,340,600
City Funds		415,500		1,340,600				\$1,756,100
Matching Funds								\$0
Total	0	415,500	0	1,340,600	0	0	0	\$1,756,100

Mt St Joseph Sewer Replacement

Dept. Priority: 100

Description: This project would provide funding for the installation of approximately 1,430 feet of new sanitary sewer from south of the Sisters of Charity Motherhouse at Mount St. Joseph, approximately 1,700 feet west of the intersection of Bender Road and Delhi Road, to approximately 700 feet north of Bender Road and 1,500 feet northwest of the intersection of Bender Road and Delhi Road. This project is located in Delhi Township.

Purpose: The purpose of this project is to replace a severely deteriorated sanitary sewer. The instability of the hillside near the deteriorated sewer requires the sewer to be redirected to the north side of Bender Road.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		981,800						\$981,800
City Funds		981,800						\$981,800
Matching Funds								\$0
Total	0	981,800	0	0	0	0	0	\$981,800

Kemper Lane Sewer Repair

Dept. Priority: 101

Description: This project would provide funding for the installation of approximately 465 feet of new 36 inch gravity sewer and appurtenances to replace an existing circular and box stone sewer. The project begins at a point approximately 120 feet north and 170 feet west of the intersection of Nassau Street and Kemper Lane and extends approximately 465 feet southwestwardly to a point approximately 165 feet south and 170 feet east of the intersection of Luray Avenue and Kemper Lane. This project is located in the East Walnut Hills neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to replace a badly deteriorated stone sewer, portions of which are collapsed and cannot be repaired from within. This project allows access to other portions of the sewer for inspection and maintenance.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		548,200						\$548,200
City Funds		548,200						\$548,200
Matching Funds								\$0
Total	0	548,200	0	0	0	0	0	\$548,200

Centurion Estates PS Elimination

Dept. Priority: 102

Description: This project would provide funding for eliminating the existing Centurion Estates Pump Station by connecting 272 feet of 8 inch dry-line sewer to an existing 12 inch sewer on Reemelin Road. The 8 inch dry-line was installed for the purpose of enabling the future elimination of the Centurion Estates Pump Station. This project is located in Green Township.

Purpose: The purpose of this project is to eliminate a pump station in an area identified by the Hamilton County General Health District as having failed or failing home treatment systems.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		620,400						\$620,400
City Funds		620,400						\$620,400
Matching Funds								\$0
Total	0	620,400	0	0	0	0	0	\$620,400

Millbrook #1 Pump Station Upgrade

Dept. Priority: 103

Description: This project would provide funding for upgrading the Millbrook #1 Pump Station by installing approximately 400 feet of 6 inch forcemain to replace the existing 4 inch forcemain and upgrading the pump. This project is located in Springfield Township.

Purpose: The purpose of this project is to upgrade the Millbrook #1 Pump Station that was built in 1964. This project will eliminate a pump station overflow (PSO 799).

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		5,100						\$5,100
Construction		650,000						\$650,000
City Funds		655,100						\$655,100
Matching Funds								\$0
Total	0	655,100	0	0	0	0	0	\$655,100

Palisades Park PS 1&2 Elimination

Dept. Priority: 104

Description: This project would provide funding for the installation of approximately 3,374 feet of 8 inch sanitary sewer and appurtenances from approximately 3,700 feet west of the intersection of Anderson Ferry Road and Hillside Avenue and 100 feet south of Hillside Avenue to the two pump stations located along Palisades Drive. This project is located in Delhi Township and in the Riverside neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to eliminate the Palisades Park Pump Stations 1 and 2, installed in 1966 and 1968, respectively. These deteriorated stations cause odor and safety problems and require above normal maintenance. The stations have existing overflows, PSO 745 and PSO 746, that will be eliminated.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		1,095,200						\$1,095,200
City Funds		1,095,200						\$1,095,200
Matching Funds								\$0
Total	0	1,095,200	0	0	0	0	0	\$1,095,200

Kenwood Rd PS Elimination Easements

Dept. Priority: 105

Description: This project would provide funding for the installation of approximately 1,678 feet of 15 inch gravity sewer and appurtenances beginning at existing manhole #47706003 on the east side of Kenwood Road and ending at existing manhole #47702004 on Whetsel Avenue. This project will eliminate the Kenwood Road Pump Station. This project is located in the city of Madeira and in Columbia Township.

Purpose: The purpose of this project is to eliminate the existing Kenwood Road Pump Station built in 1964. This pump station causes odor and safety problems and requires above normal maintenance. This project was first intended to be a pump station replacement. However, on further investigation, it was determined that elimination of the pump station was a more suitable option to pursue. This project is listed in the Wet Weather Improvement Plan ID #72090

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Land		50,000						\$50,000
Construction			1,977,300					\$1,977,300
City Funds		50,000	1,977,300					\$2,027,300
Matching Funds								\$0
Total	0	50,000	1,977,300	0	0	0	0	\$2,027,300

Foley Forest, Dellwood Est, NorthBay Vil

Dept. Priority: 106

Description: This project would provide funding for the following: 1) the elimination of the North Bay Village and Dellwood Estates Pump Stations by constructing approximately 1,680 feet of 12 inch gravity sewer to the existing Foley Forest Pump Station, 2) the upgrade of the existing Foley Forest Pump Station, and 3) the installation of approximately 1,400 feet of 8 inch forcemain. This project is located in Delhi Township.

Purpose: The purpose of this project is to eliminate the Dellwood Estates and North Bay Village Pump Stations and to eliminate the pump station overflow at the Foley Forest Pump Station.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Land		51,800						\$51,800
Construction			1,576,700					\$1,576,700
City Funds		51,800	1,576,700					\$1,628,500
Matching Funds								\$0
Total	0	51,800	1,576,700	0	0	0	0	\$1,628,500

Glenview PS Replacement Design

Dept. Priority: 107

Description: This project would provide funding for the replacement of the existing Glenview Pump Station near the end of Virginia Court. This project is located in Green Township.

Purpose: The purpose of this project is to replace the deteriorated and aging Glenview Pump Station. The pump station was scheduled to be eliminated with the Wesselman Road Phase 2 Interceptor; however, the Board of County Commissioners dropped that project June 7, 2006. Therefore, replacement of the existing pump station is the only alternative. The forcemain for this pump station was replaced in 1997.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		587,500						\$587,500
City Funds		587,500						\$587,500
Matching Funds								\$0
Total	0	587,500	0	0	0	0	0	\$587,500

Trenchless Technology Sewer Rehab.

Dept. Priority: 108

Description: This project would provide funding for miscellaneous sewer rehabilitation work throughout Hamilton County using trenchless technology.

Purpose: The purpose of this project is to use internal lining of sewers to provide a cost effective method of rehabilitating deteriorated sewers while improving the hydraulic performance of the sewer. This project is listed in the Wet Weather Improvement Plan as Project ID #80080.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		6,210,000	6,426,000	6,654,000	6,888,000	7,128,000		\$33,306,000
City Funds		6,210,000	6,426,000	6,654,000	6,888,000	7,128,000		\$33,306,000
Matching Funds								\$0
Total	0	6,210,000	6,426,000	6,654,000	6,888,000	7,128,000	0	\$33,306,000

Trenchless Technology Manhole Repair

Dept. Priority: 109

Description: This project would provide funding for miscellaneous sewer manhole rehabilitation work throughout Hamilton County using trenchless technology.

Purpose: The purpose of this project is to use internal lining of sewers to provide a cost effective method of rehabilitating deteriorated manholes. The Global Consent Decree requires MSDGC to rehabilitate 150 manholes each year to reduce infiltration and inflow upstream of SSOs to reduce overflows. This project creates development credits upstream of a SSO. This project is listed in the Wet Weather Improvement Plan as Project ID #80085.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		1,035,000	1,071,000	1,109,000	1,148,000	1,188,000		\$5,551,000
City Funds		1,035,000	1,071,000	1,109,000	1,148,000	1,188,000		\$5,551,000
Matching Funds								\$0
Total	0	1,035,000	1,071,000	1,109,000	1,148,000	1,188,000	0	\$5,551,000

River Rd near Muddy Crk WWTP Conveyance

Dept. Priority: 110

Description: This project would provide funding for installing approximately 800 linear feet of 36 inch diversion sewer to direct the Bender Road/Rapid Run interceptor sewer to the Hillside Tunnel Relief Sewer. This project is located near the Sayler Park neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to allow flow from the existing Bender Road/Rapid Run interceptor sewer to flow by gravity directly to the proposed Hillside Tunnel Relief Sewer. This project is included in the Wet Weather Improvement Program as Project ID #30400.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		26,700	59,500					\$86,200
Construction				343,900				\$343,900
City Funds		26,700	59,500	343,900				\$430,100
Matching Funds								\$0
Total	0	26,700	59,500	343,900	0	0	0	\$430,100

Wulff Run Interceptor Parallel Sewer

Dept. Priority: 111

Description: This project would provide funding for the installation of approximately 200 linear feet of 24 inch diameter sewer parallel to the existing Wulff Run Road trunk sewer. This project is located in Delhi Township along Wulff Run Road, near existing manhole #19608017.

Purpose: The purpose of this project is to provide additional parallel sewer capacity to a segment of the existing Wulff Run Interceptor sewer that does not currently have adequate wet weather capacity.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		29,400						\$29,400
Land		15,000						\$15,000
Construction			120,400					\$120,400
City Funds		44,400	120,400					\$164,800
Matching Funds								\$0
Total	0	44,400	120,400	0	0	0	0	\$164,800

Muddy Crk PS Upgrade & Forcemain

Dept. Priority: 112

Description: This project would provide funding for the upgrade of the Muddy Creek Pump Station at 7513 Gracely Drive and the installation of new 12 inch forcemain. The project will convey the increase in wet weather flows to the Hillside Avenue Storage and Conveyance Tunnel. This project is located in the neighborhood of Sayler Park in the City of Cincinnati.

Purpose: The purpose of this project is to upgrade the Muddy Creek Pump Station to provide increased capacity to accommodate an increase in flows and to convey the increased flows to the Hillside Avenue Storage and Conveyance Tunnel. In addition the project will replace and upsize the forcemain to a 12 inch capacity to handle the additional flow.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		633,600	1,641,300					\$2,274,900
Land			65,900					\$65,900
Construction				9,327,500				\$9,327,500
City Funds		633,600	1,707,200	9,327,500				\$11,668,300
Matching Funds								\$0
Total	0	633,600	1,707,200	9,327,500	0	0	0	\$11,668,300

West Branch Ohio River Interceptor Sewer

Dept. Priority: 113

Description: This project consists of the installation of the West Branch Ohio River Interceptor Sewer to accommodate additional flows due to upstream modifications because of Global Consent Decree projects and to transport 85% of the wet weather flow from area CSOs located within the Muddy Creek Ohio River sewer shed. This project is located in the Great Miami Drainage Basin in the Hamilton County Sewer Service Area.

Purpose: The purpose of this project will transport sewage for CSOs 403, 404 and 405 to convey 85% of the wet weather flow to the Muddy Creek WWTP. This project is projected to include the installation of 4,000 feet of 60 inch sewer.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		167,700	616,300					\$784,000
Land			214,200					\$214,200
Construction				3,749,600		4,022,100		\$7,771,700
City Funds		167,700	830,500	3,749,600		4,022,100		\$8,769,900
Matching Funds								\$0
Total	0	167,700	830,500	3,749,600	0	4,022,100	0	\$8,769,900

Taylor Rd Interceptor Sewer Ph 1 Design

Dept. Priority: 114

Description: This project would provide funding for the construction of approximately 21,800 feet of 12, 15, 18, and 24 inch sewer conduit on Taylor Road. This project is located in Green Township.

Purpose: The purpose of this project is to eliminate the Taylor Road Pump Station and provide sanitary trunk sewer to an unsewered area in the south central portion of the Taylor Creek basin. This project will facilitate the future elimination of two of the Hamilton County General Health District's Priority Areas: Rackview Road and Springmeyer Drive. This project is listed in the QUEST program as projects TC-4, TC-4D, TC-4E, and TC-4E.1.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		248,500						\$248,500
Land		201,600						\$201,600
Construction				4,819,000				\$4,819,000
City Funds		450,100		4,819,000				\$5,269,100
Matching Funds								\$0
Total	0	450,100	0	4,819,000	0	0	0	\$5,269,100

Forfeit Run Interceptor Sewer Easements

Dept. Priority: 115

Description: This project would provide funding for easement acquisition needed for the installation of approximately 6,380 feet of 15-24 inch sanitary trunk sewer to an unsewered area in the Taylor Creek Basin. This project is located on Forfeit Run Road in Colerain Township.

Purpose: The purpose of this project is to install sanitary trunk sewer to an unsewered area in the Taylor Creek Basin and provide for future Assessment sewer projects. This project is a QUEST program project (1C-6A).

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Land		114,000						\$114,000
Construction			4,078,400					\$4,078,400
City Funds		114,000	4,078,400					\$4,192,400
Matching Funds								\$0
Total	0	114,000	4,078,400	0	0	0	0	\$4,192,400

Recreation Management

Dept. Priority: 116

Description: This project would provide funding for a plan to provide the public with timely information regarding recreation on the Ohio River and on the Mill Creek below Mile 7.9. The key components include: the development and implementation of a monitoring program, the development of a reliable water quality index, the development of reliable tools to assess water quality, and the employment of effective communication. This project is located in Hamilton County.

Purpose: The purpose of this project is to revise wet weather and dry weather standards for compliance with USEPA water quality standards. This project is required by the Long Term Control Plan Update and is in the Wet Weather Improvement Plan as Project ID #90100.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		310,500	321,400	55,400		59,400		\$746,700
City Funds		310,500	321,400	55,400		59,400		\$746,700
Matching Funds								\$0
Total	0	310,500	321,400	55,400	0	59,400	0	\$746,700

Little Miami Drainage RDI/I Investig.

Dept. Priority: 117

Description: This project would provide funding for the investigation of sources of Rainfall - Dependent Infiltration and Inflow (RDI/I) and the determination of methods to eliminate those sources. This project is located in the Little Miami Drainage Basin in Hamilton County.

Purpose: The purpose of this project is to identify sources of RDI/I and to develop methods to eliminate them. This project is identified in the Wet Weather Improvement Plan as Project ID #72050.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		200,000						\$200,000
Construction				1,000,000				\$1,000,000
City Funds		200,000		1,000,000				\$1,200,000
Matching Funds								\$0
Total	0	200,000	0	1,000,000	0	0	0	\$1,200,000

Mill Creek Drainage Basin RDI/I Investig

Dept. Priority: 118

Description: This project would provide funding for the investigation of sources of Rainfall - Dependent Infiltration and Inflow (RDI/I) and the determination of methods to eliminate those sources. This project is located in the Mill Creek Drainage Basin in Hamilton County.

Purpose: The purpose of this project is to identify sources of RDI/I and to develop methods to eliminate them. This project is identified in the Wet Weather Improvement Plan as Project ID #45350.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		2,000,000						\$2,000,000
Construction				13,000,000				\$13,000,000
City Funds		2,000,000		13,000,000				\$15,000,000
Matching Funds								\$0
Total	0	2,000,000	0	13,000,000	0	0	0	\$15,000,000

Muddy Creek Drainage Basin RDI/I Investi

Dept. Priority: 119

Description: This project would provide funding for the investigation of sources of Rainfall - Dependent Infiltration and Inflow (RDI/I) and the determination of methods to eliminate those sources. This project is located in the Muddy Creek Drainage Basin in Hamilton County.

Purpose: The purpose of this project is to identify sources of RDI/I and to develop methods to eliminate them. This project is identified in the Wet Weather Improvement Plan as Project ID #31150.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		1,000,000						\$1,000,000
Construction				4,000,000				\$4,000,000
City Funds		1,000,000		4,000,000				\$5,000,000
Matching Funds								\$0
Total	0	1,000,000	0	4,000,000	0	0	0	\$5,000,000

Polk Run Drainage Basin RDI/I Investig.**Dept. Priority:** 120**Description:** This project would provide funding for the investigation of sources of Rainfall - Dependent Infiltration and Inflow (RDI/I) and the determination of methods to eliminate those sources. This project is located in the Polk Run Drainage Basin in Hamilton County.**Purpose:** The purpose of this project is to identify sources of RDI/I and to develop methods to eliminate them. This project is identified in the Wet Weather Improvement Plan as Project ID #50250.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		300,000						\$300,000
Construction				1,000,000				\$1,000,000
City Funds		300,000		1,000,000				\$1,300,000
Matching Funds								\$0
Total	0	300,000	0	1,000,000	0	0	0	\$1,300,000

Sycamore Drainage Basin RDI/I Investig.**Dept. Priority:** 121**Description:** This project would provide funding for the investigation of sources of Rainfall - Dependent Infiltration and Inflow (RDI/I) and the determination of methods to eliminate those sources. This project is located in the Sycamore Drainage Basin in Hamilton County.**Purpose:** The purpose of this project is to identify sources of RDI/I and to develop methods to eliminate them. This project is identified in the Wet Weather Improvement Plan as Project ID #60490.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		2,500,000						\$2,500,000
Construction				14,000,000				\$14,000,000
City Funds		2,500,000		14,000,000				\$16,500,000
Matching Funds								\$0
Total	0	2,500,000	0	14,000,000	0	0	0	\$16,500,000

Home Sewer Treatment System Extensions**Dept. Priority:** 122**Description:** This project would provide funding for an annual allowance to fund projects to provide sewers to previously unsewered areas of Hamilton County that are currently served by on-site sewage treatment systems.**Purpose:** The purpose of this project is to provide sewer extensions required to eliminate failing home sewage treatment systems and will result in improved stream quality. This project is included in the Wet Weather Improvement Plan.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		1,467,300						\$1,467,300
Construction			1,518,600	1,571,800	1,626,800	1,683,700		\$6,400,900
City Funds		1,467,300	1,518,600	1,571,800	1,626,800	1,683,700		\$7,868,200
Matching Funds								\$0
Total	0	1,467,300	1,518,600	1,571,800	1,626,800	1,683,700	0	\$7,868,200

Program Management Consultant**Dept. Priority:** 123**Description:** This project would provide funding for the retention of a consultant to act as the Consent Decree Program Manager for MSDGC.**Purpose:** The purpose of this project is to retain a consultant to act as the Consent Decree Program Manager for MSDGC. This will allow MSDGC to handle the volume of projects incurred by the Wet Weather Improvement Plan that would not be possible with current MSDGC staff. The consultant will not only provide additional staff but will also assist in upgrading processes and procedures.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		7,500,000	7,500,000	8,000,000	8,000,000	8,000,000		\$39,000,000
City Funds		7,500,000	7,500,000	8,000,000	8,000,000	8,000,000		\$39,000,000
Matching Funds								\$0
Total	0	7,500,000	7,500,000	8,000,000	8,000,000	8,000,000	0	\$39,000,000

Development Inspections**Dept. Priority:** 124**Description:** This project would provide funding for inspection services of new sewer development in various locations throughout Hamilton County.**Purpose:** The purpose of this project is to provide funding to supplement construction inspection of new sewers.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		207,000						\$207,000
City Funds		207,000						\$207,000
Matching Funds								\$0
Total	0	207,000	0	0	0	0	0	\$207,000

Mill Crk WWTP Anaerobic Digester Conv**Dept. Priority:** 34**Description:** This project would provide funding for the conversion of the two digesters and for cleaning the remaining ten digesters at the Mill creek Wastewater Treatment Plant. This project is located in the Lower Price Hill neighborhood of the City of Cincinnati.**Purpose:** The purpose of this project is to convert two digesters for mixing primary & secondary thickened sludges to provide a uniform blend of solids to the Sludge Dewatering Facility. Mixing/Holding Tanks should have a solid fixed cover with bio-filter provided for odor control. The remaining ten digesters will be cleaned, the floating covers removed, and the structure demolished down to the concrete shell to ensure no sewage solids or gases can be trapped that would allow a hazardous condition.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			617,200					\$617,200
Construction				7,337,000	5,738,700			\$13,075,700
City Funds			617,200	7,337,000	5,738,700			\$13,692,900
Matching Funds								\$0
Total	0	0	617,200	7,337,000	5,738,700	0	0	\$13,692,900

Mill Crk TP Prelim/Primary Treatment Imp

Dept. Priority: 36

Description: This project would provide funding for the rehabilitation of the grit removal and the primary sludge grip removal processes at the Mill Creek Wastewater Treatment Plant. This project is located in the Lower Price Hill neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to implement the recommendation of a study made in CIP 1998-47 to bring about preliminary and primary process improvements by installing a new grip removal process to optimize the plant to 450 MGD firm capacity, removing grease from the plant's North Pump Station, making modifications to the Primary Treatment Building, and constructing a grip pit enclosure. This project is identified in the Wet Weather Improvement Plan as Project ID #44880.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			17,000					\$17,000
Construction			23,808,600					\$23,808,600
City Funds			23,825,600					\$23,825,600
Matching Funds								\$0
Total	0	0	23,825,600	0	0	0	0	\$23,825,600

Eastern/Delta Sewer Separation Ph 2

Dept. Priority: 125

Description: This project would provide funding for the Wet Weather Improvement Program Project #71920.

Purpose: The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction			16,364,200					\$16,364,200
City Funds			16,364,200					\$16,364,200
Matching Funds								\$0
Total	0	0	16,364,200	0	0	0	0	\$16,364,200

Eastern/Delta Sewer Separation Ph 3

Dept. Priority: 126

Description: This project would provide funding for the Wet Weather Improvement Program Project #71900.

Purpose: The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction			10,972,300					\$10,972,300
City Funds			10,972,300					\$10,972,300
Matching Funds								\$0
Total	0	0	10,972,300	0	0	0	0	\$10,972,300

Eastern/Delta Sewer Separation Ph 4**Dept. Priority:** 127**Description:** This project would provide funding for the Wet Weather Improvement Program Project #71880.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction			3,143,800					\$3,143,800
City Funds			3,143,800					\$3,143,800
Matching Funds								\$0
Total	0	0	3,143,800	0	0	0	0	\$3,143,800

Muddy Crk WWTP East Branch Inter/PS Mod.**Dept. Priority:** 128**Description:** This project would provide funding for the Wet Weather Improvement Program Project #31002.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction			25,876,500					\$25,876,500
City Funds			25,876,500					\$25,876,500
Matching Funds								\$0
Total	0	0	25,876,500	0	0	0	0	\$25,876,500

Muddy Crk WWTP East Branch Interceptor**Dept. Priority:** 129**Description:** This project would provide funding for the Wet Weather Improvement Program Project #31003.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction			7,850,800					\$7,850,800
City Funds			7,850,800					\$7,850,800
Matching Funds								\$0
Total	0	0	7,850,800	0	0	0	0	\$7,850,800

Blue Rock Rd Sewer Separation**Dept. Priority:** 130**Description:** This project would provide funding for the Wet Weather Improvement Program Project #42240.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			113,500	205,600				\$319,100
City Funds			113,500	205,600				\$319,100
Matching Funds								\$0
Total	0	0	113,500	205,600	0	0	0	\$319,100

Ross Run Sewer Separation**Dept. Priority:** 131**Description:** This project would provide funding for the Wet Weather Improvement Program Project #45100.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction			1,430,100					\$1,430,100
City Funds			1,430,100					\$1,430,100
Matching Funds								\$0
Total	0	0	1,430,100	0	0	0	0	\$1,430,100

Anthony Wayne Reg**Dept. Priority:** 132**Description:** This project would provide funding for the Wet Weather Improvement Program Project #45180.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction			1,938,900					\$1,938,900
City Funds			1,938,900					\$1,938,900
Matching Funds								\$0
Total	0	0	1,938,900	0	0	0	0	\$1,938,900

Jamar SEP**Dept. Priority:** 133**Description:** This project would provide funding for the Wet Weather Improvement Program Project #45260.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction			259,200					\$259,200
City Funds			259,200					\$259,200
Matching Funds								\$0
Total	0	0	259,200	0	0	0	0	\$259,200

CSO 194 High Point Sewer Separation**Dept. Priority:** 134**Description:** This project would provide funding for the Wet Weather Improvement Program Project #43920.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			263,300	476,900				\$740,200
Construction					3,906,400			\$3,906,400
City Funds			263,300	476,900	3,906,400			\$4,646,600
Matching Funds								\$0
Total	0	0	263,300	476,900	3,906,400	0	0	\$4,646,600

CSO 195 Westwood Northern Sewer Separ.**Dept. Priority:** 135**Description:** This project would provide funding for the Wet Weather Improvement Program Project #43940.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			178,700	323,700				\$502,400
City Funds			178,700	323,700				\$502,400
Matching Funds								\$0
Total	0	0	178,700	323,700	0	0	0	\$502,400

CSO 525 Mt. Airy Grating Sewer Separ.

Dept. Priority: 136

Description: This project would provide funding for the Wet Weather Improvement Program Project #43960.

Purpose: The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			153,800	278,500				\$432,300
City Funds			153,800	278,500				\$432,300
Matching Funds								\$0
Total	0	0	153,800	278,500	0	0	0	\$432,300

CSO 471 Grandin Rd Regulator Improvement

Dept. Priority: 137

Description: This project would provide funding for the Wet Weather Improvement Program Project #71840.

Purpose: The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			16,900	30,600				\$47,500
City Funds			16,900	30,600				\$47,500
Matching Funds								\$0
Total	0	0	16,900	30,600	0	0	0	\$47,500

CSO 470 Eastern Ave Sewer Separation

Dept. Priority: 138

Description: This project would provide funding for the Wet Weather Improvement Program Project #71860.

Purpose: The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			98,100	177,600				\$275,700
Construction						1,560,200		\$1,560,200
City Funds			98,100	177,600		1,560,200		\$1,835,900
Matching Funds								\$0
Total	0	0	98,100	177,600	0	1,560,200	0	\$1,835,900

Broadview Dr & Country Club PI Sewer Sep**Dept. Priority:** 139**Description:** This project would provide funding for the Wet Weather Improvement Program Project #72200.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction			2,544,800					\$2,544,800
City Funds			2,544,800					\$2,544,800
Matching Funds								\$0
Total	0	0	2,544,800	0	0	0	0	\$2,544,800

Kinney Ave Overflow Removal**Dept. Priority:** 140**Description:** This project would provide funding for the installation of approximately 745 feet of 12 inch sanitary sewer on Hackberry Avenue from the intersection of Kinney Avenue to approximately 362 feet north of the intersection of Hackberry Avenue and Hewitt Avenue. This project also consists of separating storm and sanitary connections for approximately 20 houses on Kinney Avenue as a part of the CSO removal. This project is located in the Evanston neighborhood in the City of Cincinnati.**Purpose:** The purpose of this project is to install a new relief sanitary sewer and separate storm and sanitary connections to eliminate an existing unrecorded Combined Sewer Overflow that discharges into an improperly abandoned 3 feet by 3 feet stone sewer, which acts as storage vessel when the existing 12 inch sewer on Kinney Avenue backs up during significant rain events. This project will eliminate those sewer backups and basement floodings along Kinney Avenue.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction			401,700					\$401,700
City Funds			401,700					\$401,700
Matching Funds								\$0
Total	0	0	401,700	0	0	0	0	\$401,700

Mill Crk Centralized Operational Monitor**Dept. Priority:** 141**Description:** This project would provide funding for converting the Sludge Dewatering Operation Office to a Centralized Operation Control Room for all liquid and thickening process areas. This project is located in the Lower Price Hill neighborhood in the City of Cincinnati.**Purpose:** The purpose of this project is to convert the Sludge Dewatering Operation Office to a Centralized Operation Control Room for all liquid and thickening process areas. This project will also update restrooms and locker rooms for use by plant laborers, which is approximately 12 employees.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			23,000	499,400				\$522,400
City Funds			23,000	499,400				\$522,400
Matching Funds								\$0
Total	0	0	23,000	499,400	0	0	0	\$522,400

Mill Crk WWTP Additional Thickening Ctr.**Dept. Priority:** 142**Description:** This project would provide funding for the installation of No. 5 and No. 6 centrifuges at the thickening building. This project is located in the Lower Price Hill neighborhood in the City of Cincinnati.**Purpose:** The purpose of this project is to purchase and install No. 5 & No. 6 thickening centrifuges to upgrade capacity. Current operating requirements require three of four units to operate continuously. This would allow additional capacity for plant upsets and for maintenance. This project will also modify I&C and electrical as needed to accommodate additional equipment.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			22,100	457,900				\$480,000
Construction					3,442,600	2,494,300		\$5,936,900
City Funds			22,100	457,900	3,442,600	2,494,300		\$6,416,900
Matching Funds								\$0
Total	0	0	22,100	457,900	3,442,600	2,494,300	0	\$6,416,900

Winton 1&2 and Sherwood PS Eliminations**Dept. Priority:** 143**Description:** This project would provide funding for the Wet Weather Improvement Program Project #41560.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction			1,672,200					\$1,672,200
City Funds			1,672,200					\$1,672,200
Matching Funds								\$0
Total	0	0	1,672,200	0	0	0	0	\$1,672,200

Colerain Ave & North Bend Rd Conveyance**Dept. Priority:** 144**Description:** This project would provide funding for the Wet Weather Improvement Program Project #40820.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			381,500	690,900				\$1,072,400
Land				255,700				\$255,700
City Funds			381,500	946,600				\$1,328,100
Matching Funds								\$0
Total	0	0	381,500	946,600	0	0	0	\$1,328,100

Colerain Ave & Galbraith Rd Storage Fac.**Dept. Priority:** 145**Description:** This project would provide funding for the Wet Weather Improvement Program Project #41020.**Purpose:** The purpose of this project is to provide below ground storage and protects the trunk sewer.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			1,114,600	2,018,900				\$3,133,500
Construction						17,116,200		\$17,116,200
City Funds			1,114,600	2,018,900		17,116,200		\$20,249,700
Matching Funds								\$0
Total	0	0	1,114,600	2,018,900	0	17,116,200	0	\$20,249,700

Dry Run Area Sewers Ph 1**Dept. Priority:** 146**Description:** This project would provide funding for the Quest Project.**Purpose:** The purpose of this project is to add sewers to unsewered areas.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction			4,900,900					\$4,900,900
City Funds			4,900,900					\$4,900,900
Matching Funds								\$0
Total	0	0	4,900,900	0	0	0	0	\$4,900,900

Dry Run Area Sewers Ph 2**Dept. Priority:** 147**Description:** This project would provide funding for the Quest Project.**Purpose:** The purpose of this project is to add sewers to unsewered areas.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction			8,541,900					\$8,541,900
City Funds			8,541,900					\$8,541,900
Matching Funds								\$0
Total	0	0	8,541,900	0	0	0	0	\$8,541,900

East Branch Muddy Crk Interceptor CSO**Dept. Priority:** 148**Description:** This project would provide funding for the Wet Weather Improvement Program Project #30840.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction				3,991,400				\$3,991,400
City Funds				3,991,400				\$3,991,400
Matching Funds								\$0
Total	0	0	0	3,991,400	0	0	0	\$3,991,400

CSO 476 Clough Crk Div Dam Regulator Imp**Dept. Priority:** 149**Description:** This project would provide funding for the Wet Weather Improvement Program Project #70900.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering				17,500	31,700			\$49,200
City Funds				17,500	31,700			\$49,200
Matching Funds								\$0
Total	0	0	0	17,500	31,700	0	0	\$49,200

CSO 85 Wooster Pk Sewer Separation**Dept. Priority:** 150**Description:** This project would provide funding for the Wet Weather Improvement Program Project #71380.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering				145,600	263,800			\$409,400
City Funds				145,600	263,800			\$409,400
Matching Funds								\$0
Total	0	0	0	145,600	263,800	0	0	\$409,400

CSO 86 Archer St Sewer Separation**Dept. Priority:** 151**Description:** This project would provide funding for the Wet Weather Improvement Program Project #71400.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering				155,400	281,500			\$436,900
City Funds				155,400	281,500			\$436,900
Matching Funds								\$0
Total	0	0	0	155,400	281,500	0	0	\$436,900

Mill Crk WWTP Secondary Treatment Enhanc**Dept. Priority:** 152**Description:** This project would provide funding for the Wet Weather Improvement Program Project #44884.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction				24,111,700				\$24,111,700
City Funds				24,111,700				\$24,111,700
Matching Funds								\$0
Total	0	0	0	24,111,700	0	0	0	\$24,111,700

Britney Acres PS Upgrade**Dept. Priority:** 153**Description:** This project would provide funding for the Wet Weather Improvement Program Project #70560.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction				1,299,500				\$1,299,500
City Funds				1,299,500				\$1,299,500
Matching Funds								\$0
Total	0	0	0	1,299,500	0	0	0	\$1,299,500

Beechmont Ave Replacement Sewer**Dept. Priority:** 154**Description:** This project would provide funding for the Wet Weather Improvement Program Project #70120.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering				235,400	426,400			\$661,800
City Funds				235,400	426,400			\$661,800
Matching Funds								\$0
Total	0	0	0	235,400	426,400	0	0	\$661,800

Birney Ln Replacement Sewer**Dept. Priority:** 155**Description:** This project would provide funding for the Wet Weather Improvement Program Project #70140.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering				125,100	226,600			\$351,700
City Funds				125,100	226,600			\$351,700
Matching Funds								\$0
Total	0	0	0	125,100	226,600	0	0	\$351,700

Spindlehill Dr at Beechmont Estates Stor**Dept. Priority:** 156**Description:** This project would provide funding for the Wet Weather Improvement Program Project #70220.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering				1,248,200	2,260,700			\$3,508,900
Land					1,610,900			\$1,610,900
City Funds				1,248,200	3,871,600			\$5,119,800
Matching Funds								\$0
Total	0	0	0	1,248,200	3,871,600	0	0	\$5,119,800

Clough Pk Replacement Sewer (btwn Batavi**Dept. Priority:** 157**Description:** This project would provide funding for the Wet Weather Improvement Program Project #70240.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering				1,239,700	2,245,300			\$3,485,000
City Funds				1,239,700	2,245,300			\$3,485,000
Matching Funds								\$0
Total	0	0	0	1,239,700	2,245,300	0	0	\$3,485,000

Clough Pk Replacement Sewer (btwn Bartle**Dept. Priority:** 158**Description:** This project would provide funding for the Wet Weather Improvement Program Project #70260.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering				153,500	278,100			\$431,600
City Funds				153,500	278,100			\$431,600
Matching Funds								\$0
Total	0	0	0	153,500	278,100	0	0	\$431,600

Berkshire Rd Replacement Sewer**Dept. Priority:** 159**Description:** This project would provide funding for the Wet Weather Improvement Program Project #70280.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering				192,500	348,700			\$541,200
City Funds				192,500	348,700			\$541,200
Matching Funds								\$0
Total	0	0	0	192,500	348,700	0	0	\$541,200

CSO 472 Turpin St Storage Facility**Dept. Priority:** 160**Description:** This project would provide funding for the Wet Weather Improvement Program Project #71500.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering				447,700	931,600			\$1,379,300
City Funds				447,700	931,600			\$1,379,300
Matching Funds								\$0
Total	0	0	0	447,700	931,600	0	0	\$1,379,300

Delhi Rd & Oakwood Park Dr Storage Facil**Dept. Priority:** 161**Description:** This project would provide funding for the Wet Weather Improvement Program Project #30460.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering					579,900	1,050,400		\$1,630,300
City Funds					579,900	1,050,400		\$1,630,300
Matching Funds								\$0
Total	0	0	0	0	579,900	1,050,400	0	\$1,630,300

I-275 & Springfield**Dept. Priority:** 162**Description:** This project would provide funding for the Wet Weather Improvement Program Project #40000.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering					145,000			\$145,000
City Funds					145,000			\$145,000
Matching Funds								\$0
Total	0	0	0	0	145,000	0	0	\$145,000

I-275 and Underwood**Dept. Priority:** 163**Description:** This project would provide funding for the Wet Weather Improvement Program Project #40080.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering					97,600			\$97,600
City Funds					97,600			\$97,600
Matching Funds								\$0
Total	0	0	0	0	97,600	0	0	\$97,600

I-275 & Kemper**Dept. Priority:** 164**Description:** This project would provide funding for the Wet Weather Improvement Program Project #40480.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering					101,600			\$101,600
City Funds					101,600			\$101,600
Matching Funds								\$0
Total	0	0	0	0	101,600	0	0	\$101,600

John Gray**Dept. Priority:** 165**Description:** This project would provide funding for the Wet Weather Improvement Program Project #40700.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering					543,400			\$543,400
City Funds					543,400			\$543,400
Matching Funds								\$0
Total	0	0	0	0	543,400	0	0	\$543,400

Mill Creek WWTP Architectural Upgrade

Dept. Priority: 166

Description: This project would provide funding for converting the Sludge Dewatering Operation Office to a Centralized Operation Control Room for all liquid and thickening process areas. This project is located in the Lower Price Hill neighborhood in the City of Cincinnati.

Purpose: The purpose of this project is to convert the Sludge Dewatering Operation Office to a Centralized Operation Control Room for all liquid and thickening process areas. This process will also update restrooms and locker rooms for use by plant laborers, which is approximately 12 employees.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction					3,442,600	2,723,600		\$6,166,200
City Funds					3,442,600	2,723,600		\$6,166,200
Matching Funds								\$0
Total	0	0	0	0	3,442,600	2,723,600	0	\$6,166,200

Country Club Estates PS Upgrade

Dept. Priority: 168

Description: This project would provide funding for the Wet Weather Improvement Program Project #30620.

Purpose: The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering					23,800			\$23,800
City Funds					23,800			\$23,800
Matching Funds								\$0
Total	0	0	0	0	23,800	0	0	\$23,800

Swr360Replemnt OakwoodPrkDr-Schroer Av

Dept. Priority: 169

Description: This project would provide funding for the Wet Weather Improvement Program Project #30500.

Purpose: The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering					102,300	185,300		\$287,600
City Funds					102,300	185,300		\$287,600
Matching Funds								\$0
Total	0	0	0	0	102,300	185,300	0	\$287,600

Remaining Asset Allowance**Dept. Priority:** 192**Description:** This project would provide funding to a reserve fund for a future asset management project.**Purpose:** The purpose of this project is to provide reserve funds for future infrastructure improvements of Collection and Treatment Facilities.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering					22,676,500	39,320,400		\$61,996,900
City Funds					22,676,500	39,320,400		\$61,996,900
Matching Funds								\$0
Total	0	0	0	0	22,676,500	39,320,400	0	\$61,996,900

Mill & Vine Grating**Dept. Priority:** 170**Description:** This project would provide funding for the Wet Weather Improvement Program Project #42120.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						18,700		\$18,700
City Funds						18,700		\$18,700
Matching Funds								\$0
Total	0	0	0	0	0	18,700	0	\$18,700

Bernard & Reisenberg Grating**Dept. Priority:** 171**Description:** This project would provide funding for the Wet Weather Improvement Program Project #42200.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						186,200		\$186,200
City Funds						186,200		\$186,200
Matching Funds								\$0
Total	0	0	0	0	0	186,200	0	\$186,200

Smalley Grating**Dept. Priority:** 172**Description:** This project would provide funding for the Wet Weather Improvement Program Project #42220.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						98,600		\$98,600
City Funds						98,600		\$98,600
Matching Funds								\$0
Total	0	0	0	0	0	98,600	0	\$98,600

Blue Rock Rd Sewer Replacement**Dept. Priority:** 173**Description:** This project would provide funding for the Wet Weather Improvement Program Project #72240.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						1,805,600		\$1,805,600
City Funds						1,805,600		\$1,805,600
Matching Funds								\$0
Total	0	0	0	0	0	1,805,600	0	\$1,805,600

Oxley Grating**Dept. Priority:** 174**Description:** This project would provide funding for the Wet Weather Improvement Program Project #42280.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						238,700		\$238,700
City Funds						238,700		\$238,700
Matching Funds								\$0
Total	0	0	0	0	0	238,700	0	\$238,700

914 Oak**Dept. Priority:** 175**Description:** This project would provide funding for the Wet Weather Improvement Program Project #42300.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						177,700		\$177,700
City Funds						177,700		\$177,700
Matching Funds								\$0
Total	0	0	0	0	0	177,700	0	\$177,700

West of Bacon**Dept. Priority:** 176**Description:** This project would provide funding for the Wet Weather Improvement Program Project #42320.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						18,700		\$18,700
City Funds						18,700		\$18,700
Matching Funds								\$0
Total	0	0	0	0	0	18,700	0	\$18,700

Bacon**Dept. Priority:** 177**Description:** This project would provide funding for the Wet Weather Improvement Program Project #42340.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						18,700		\$18,700
City Funds						18,700		\$18,700
Matching Funds								\$0
Total	0	0	0	0	0	18,700	0	\$18,700

96 North Park**Dept. Priority:** 178**Description:** This project would provide funding for the Wet Weather Improvement Program Project #42360.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						18,700		\$18,700
City Funds						18,700		\$18,700
Matching Funds								\$0
Total	0	0	0	0	0	18,700	0	\$18,700

117 Charlotte**Dept. Priority:** 179**Description:** This project would provide funding for the Wet Weather Improvement Program Project #42380.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						18,700		\$18,700
City Funds						18,700		\$18,700
Matching Funds								\$0
Total	0	0	0	0	0	18,700	0	\$18,700

428 Cooper**Dept. Priority:** 180**Description:** This project would provide funding for the Wet Weather Improvement Program Project #42400.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						18,700		\$18,700
City Funds						18,700		\$18,700
Matching Funds								\$0
Total	0	0	0	0	0	18,700	0	\$18,700

Ridgeway**Dept. Priority:** 181**Description:** This project would provide funding for the Wet Weather Improvement Program Project #42520.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						18,700		\$18,700
City Funds						18,700		\$18,700
Matching Funds								\$0
Total	0	0	0	0	0	18,700	0	\$18,700

60 St Clair**Dept. Priority:** 182**Description:** This project would provide funding for the Wet Weather Improvement Program Project #42540.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						18,700		\$18,700
City Funds						18,700		\$18,700
Matching Funds								\$0
Total	0	0	0	0	0	18,700	0	\$18,700

41 Sherry**Dept. Priority:** 183**Description:** This project would provide funding for the Wet Weather Improvement Program Project #42580.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						64,500		\$64,500
City Funds						64,500		\$64,500
Matching Funds								\$0
Total	0	0	0	0	0	64,500	0	\$64,500

Indian Creek WWTP**Dept. Priority:** 184**Description:** This project would provide funding for the Wet Weather Improvement Program Project #10000.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						20,200		\$20,200
City Funds						20,200		\$20,200
Matching Funds								\$0
Total	0	0	0	0	0	20,200	0	\$20,200

Cleves Pump Station**Dept. Priority:** 185**Description:** This project would provide funding for the Wet Weather Improvement Program Project #10020.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						840,700		\$840,700
City Funds						840,700		\$840,700
Matching Funds								\$0
Total	0	0	0	0	0	840,700	0	\$840,700

Wulff Run Creek**Dept. Priority:** 186**Description:** This project would provide funding for the Wet Weather Improvement Program Project #30440.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						235,600		\$235,600
City Funds						235,600		\$235,600
Matching Funds								\$0
Total	0	0	0	0	0	235,600	0	\$235,600

Springfield Pk and Fleming Rd

Dept. Priority: 187

Description: This project would provide funding for the Wet Weather Improvement Program Project #40400.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						200,800		\$200,800
City Funds						200,800		\$200,800
Matching Funds								\$0
Total	0	0	0	0	0	200,800	0	\$200,800

Ronald Reagan

Dept. Priority: 188

Description: This project would provide funding for the Wet Weather Improvement Program Project #41140.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						54,500		\$54,500
City Funds						54,500		\$54,500
Matching Funds								\$0
Total	0	0	0	0	0	54,500	0	\$54,500

SSO 700 Storage

Dept. Priority: 189

Description: This project would provide funding for the Wet Weather Improvement Program Project #41180.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						4,967,400		\$4,967,400
City Funds						4,967,400		\$4,967,400
Matching Funds								\$0
Total	0	0	0	0	0	4,967,400	0	\$4,967,400

Little Miami PS-1**Dept. Priority:** 190**Description:** This project would provide funding for the Wet Weather Improvement Program Project #70782.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						296,400		\$296,400
City Funds						296,400		\$296,400
Matching Funds								\$0
Total	0	0	0	0	0	296,400	0	\$296,400

Little Miami SG-1**Dept. Priority:** 191**Description:** This project would provide funding for the Wet Weather Improvement Program Project #70784.**Purpose:** The purpose of this project is to improve the water quality per the Global Consent Decree.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						667,000		\$667,000
City Funds						667,000		\$667,000
Matching Funds								\$0
Total	0	0	0	0	0	667,000	0	\$667,000

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Capital Improvement Plan - Transportation & Eng.

<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012</u> <u>Total</u>
<u>General Capital Fund</u>								
1	Information Systems Acquisition	150,000	150,000	150,000	150,000	200,000	200,000	\$1,000,000
2	SCIP Loan Repayment	96,200	96,200	250,000	250,000	250,000	250,000	\$1,192,400
3	Traffic Signal Installation & Renovation	1,000,000	1,000,000	1,500,000	1,500,000	1,500,000	1,500,000	\$8,000,000
4	Bridge Rehabilitation Program	1,100,000	1,100,000	1,300,000	1,400,000	1,400,000	1,500,000	\$7,800,000
5	Waldvogel Viaduct Replacement	3,000,000	3,000,000	922,200				\$6,922,200
6	OKI Corridor Studies	50,000	100,000	200,000	300,000	50,000	300,000	\$1,000,000
7	I-75/Brent Spence Bridge Studies	50,000	50,000	500,000	500,000	50,000	500,000	\$1,650,000
8	Street Improvements	1,000,000	1,000,000	1,000,000	1,000,000	1,800,000	1,000,000	\$6,800,000
9	Street Rehabilitation	13,049,700	13,440,600	13,843,700	14,259,100	14,786,700	15,333,800	\$84,713,600
10	Curb Ramps - Street Rehab	500,000	514,400	530,000	555,000	565,000	580,000	\$3,244,400
11	CBD Gateways/Greenways	300,000	100,000	100,000	100,000	100,000	100,000	\$800,000
12	Computerized Traffic Signal System	500,000	500,000	500,000	500,000	500,000	500,000	\$3,000,000
13	Sidewalk Repair Program	500,000	500,000	700,000	800,000	800,000	800,000	\$4,100,000
14	Neighborhood Transportation Strategies	200,000	150,000	150,000	150,000	150,000	150,000	\$950,000
15	Wall Stab. & Landslide Correction	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	\$6,000,000
16	Hillside Stairway Rehabilitation Program	250,000	250,000	250,000	250,000	250,000	250,000	\$1,500,000
17	Gilbert Avenue Greenway	200,000		150,000	700,000	100,000	150,000	\$1,300,000
18	Downtown Street Lights	180,000						\$180,000
19	Kennedy Connector	12,500,000	1,400,000					\$13,900,000
21	LED Traffic and Pedestrian Signals	450,000	450,000	450,000	450,000	450,000	450,000	\$2,700,000
22	Hamilton Avenue Improvements Phase 1	380,000						\$380,000
23	Riverside Drive - Eggleston to Bains	1,000,000						\$1,000,000
24	Red Bank Road - Fair Lane to Brotherton	175,000	100,000					\$275,000
25	Colerain Corridor TSM Improvements	600,000	500,000	500,000	1,000,000	400,000	500,000	\$3,500,000
26	Columbia Parkway Access Management	250,000						\$250,000
27	Downtown Public Paver Replacement	50,000	50,000	50,000	50,000	50,000	50,000	\$300,000
28	Ohio River Trail - Carrel to Wilmer	300,000						\$300,000
30	Safety Improvements	100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
31	Spot Infrastructure Replacement	500,000	500,000	740,000	740,000	740,000	740,000	\$3,960,000
32	Neighborhood Gateways	100,000	50,000	75,000	50,000	75,000	50,000	\$400,000
33	Central Parkway Lighting Replacement	300,000	300,000	300,000				\$900,000
34	Traffic Signal Controllers & Detectors	125,000	125,000	125,000	125,000	125,000	125,000	\$750,000
36	Skywalk Improvements	50,000	200,000	300,000	300,000	300,000	300,000	\$1,450,000
37	Raised Pavement Markers	50,000	50,000	50,000	50,000	50,000	50,000	\$300,000
38	Bicycle Transportation Program	100,000	100,000	100,000	122,400	208,200	152,500	\$783,100
39	Hamilton Avenue Improvements Phase 2	31,000	320,000	450,000				\$801,000
40	Montana Ave. Impr. - Boudinot to Farrell	100,000	400,000	500,000				\$1,000,000
43	CBD Pedestrian & Parking Lot Signage	50,000	25,000	50,000	25,000	50,000	25,000	\$225,000
44	Pavement Management	100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
46	Ohio River Trail - Congress to Carrel	462,000	100,000	100,000	100,000			\$762,000
55	Convention Center Expansion	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	\$6,000,000
20	Riverfront Master Plan Coordination		50,000	50,000	50,000	25,000	25,000	\$200,000
29	Downtown Infrastructure Coordination		50,000	1,000,000	50,000	1,000,000	50,000	\$2,150,000
35	Central Riverfront Street Grid		440,000	560,000				\$1,000,000
41	Vine St. from Nixon to Erkenbrecher		700,000					\$700,000
42	Harrison Avenue Improvements		320,000	340,000	200,000			\$860,000
45	Columbia Parkway Enhancements		100,000	400,000	200,000	400,000	200,000	\$1,300,000
48	Citywide Develop. Trans Enhancements		100,000	100,000	100,000	100,000	100,000	\$500,000
47	Clifton Avenue Islands			210,000	300,000	100,000	100,000	\$710,000

Capital Improvement Plan - Transportation & Eng.

<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012</u> <u>Total</u>
<u>General Capital Fund</u>								
50	ML King/I-71 Interchange			250,000	250,000	500,000	500,000	\$1,500,000
51	Uptown Wayfinding System			200,000				\$200,000
52	Over-the-Rhine Streetscape Improvements			250,000	500,000	500,000	500,000	\$1,750,000
53	Street Light Replacement Project			300,000	500,000	500,000	500,000	\$1,800,000
54	Ohio River Trail - Lumber to Corbin			100,000	50,000	50,000	50,000	\$250,000
49	Clifton and M. L. King Intersection Imp.				500,000	200,000		\$700,000
General Capital Total:		41,898,900	30,581,200	31,795,900	30,326,500	30,524,900	29,781,300	\$194,908,700
<u>General Aviation Fund</u>								
1	Airport Infrastructure Improvements	140,000	140,000	140,000	140,000	140,000	140,000	\$840,000
2	FAA/ODOT Local Match	170,000	180,000	190,000	200,000	200,000	200,000	\$1,140,000
3	Facility Improvements	150,000	160,000	165,000	170,000	189,800	210,400	\$1,045,200
4	Noise Monitoring and Abatement	25,000	25,000	25,100	25,700	25,700	25,700	\$152,200
General Aviation Total:		485,000	505,000	520,100	535,700	555,500	576,100	\$3,177,400
<u>Income Tax Transit Fund</u>								
1	Transit/Rail Corridor Preservation Acq.	100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
Income Tax Transit Total:		100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
Department of Transportation & Eng. Total:		42,483,900	31,186,200	32,416,000	30,962,200	31,180,400	30,457,400	\$198,686,100

General Capital Fund**Information Systems Acquisition****Dept. Priority:** 1

Description: This project would provide funding for the design and acquisition of hardware and software needed to capture, store, integrate, analyze, and report information needed for the Department of Transportation and Engineering accounting, administration, construction management, design, permitting, mapping, project management, transportation planning, airport management, traffic control and regulation, and asset management.

Purpose: The purpose of this project is to improve both intra- and inter-departmental communications, to provide valuable and timely information needed to effectively operate the Department of Transportation and Engineering, and to manage transportation assets valued in excess of \$3 billion. These systems complement and extend the capabilities of enterprise systems to serve the specific needs of the Department of Transportation and Engineering.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		150,000	150,000	150,000	150,000	200,000	200,000	\$1,000,000
City Funds	150,000	150,000	150,000	150,000	150,000	200,000	200,000	\$1,000,000
Matching Funds								\$0
Total	150,000	150,000	150,000	150,000	150,000	200,000	200,000	\$1,000,000

SCIP Loan Repayment**Dept. Priority:** 2

Description: This project would provide funding for the repayment of zero-interest loans from the Ohio Public Works Commission used to rehabilitate streets in various City neighborhoods.

Purpose: The purpose of this project is to improve quality of life and to reduce street pavement repair costs by: 1) repairing more streets than capital funding allows, 2) repairing these streets sooner, before repairs become more extensive and costly, 3) advancing these repairs so they are performed at lower construction prices, and 4) taking advantage of the time value of money using zero-interest loans.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other		96,200	96,200	250,000	250,000	250,000	250,000	\$1,192,400
City Funds	93,000	96,200	96,200	250,000	250,000	250,000	250,000	\$1,192,400
Matching Funds								\$0
Total	93,000	96,200	96,200	250,000	250,000	250,000	250,000	\$1,192,400

Traffic Signal Installation & Renovation**Dept. Priority:** 3

Description: This project would provide funding for the installation of traffic signals, audible pedestrian signals, crosswalk signs, and other traffic control devices, as well as the removal of equipment no longer needed. This project would carry out needed rehabilitation of existing traffic signals, illuminated signs, school flashers, audible pedestrian signals, and other electric and/or electronic traffic controls including roadway lighting and incidental curb or island modifications.

Purpose: The purpose of this project is to enable the City to replace obsolete or worn out traffic signal and/or roadway lighting equipment before it deteriorates to the point that it can no longer be maintained. The average traffic signal has a life expectancy of 25 years, and the City currently has 725 traffic signals. It will be necessary to reconstruct about 30 traffic signals each year to keep them replaced within their useful life cycle.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		253,000	253,000	283,000	283,000	283,000	283,000	\$1,638,000
Construction		747,000	747,000	1,217,000	1,217,000	1,217,000	1,217,000	\$6,362,000
City Funds	1,030,000	1,000,000	1,000,000	1,500,000	1,500,000	1,500,000	1,500,000	\$8,000,000
Matching Funds								\$0
Total	1,030,000	1,000,000	1,000,000	1,500,000	1,500,000	1,500,000	1,500,000	\$8,000,000

Bridge Rehabilitation Program**Dept. Priority:** 4

Description: This project would provide funding for labor, materials, and technologies needed to inspect, prioritize, plan, design, repair, rehabilitate, and replace 68 City maintained bridges. This project would also fund the inspection of 225 bridges citywide that the City is legally required to inspect.

Purpose: The purpose of this project is to meet federal and state laws and to keep bridges safe for and open to vehicular, pedestrian, and bicycle traffic, allowing safe passage across rivers, creeks, railroads, busy arterials, and other barriers. These 68 bridges have a combined deck area of over 1.4 million square feet and a replacement value estimated at \$300 million.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Engineering		150,000	150,000	150,000	150,000	150,000	150,000	\$900,000
Land		25,000	25,000	25,000	25,000	25,000	25,000	\$150,000
Construction		800,000	800,000	1,000,000	1,100,000	1,200,000	1,300,000	\$6,200,000
Equipment		25,000	25,000	25,000	25,000	25,000	25,000	\$150,000
Other		100,000	100,000	100,000	100,000			\$400,000
City Funds	1,200,000	1,100,000	1,100,000	1,300,000	1,400,000	1,400,000	1,500,000	\$7,800,000
Matching Funds								\$0
Total	1,200,000	1,100,000	1,100,000	1,300,000	1,400,000	1,400,000	1,500,000	\$7,800,000

Waldvogel Viaduct Replacement**Dept. Priority:** 5

Description: This project would provide funding for project development work, the 20% local match for acquiring the right-of-way, and the 20% local match for construction and inspection of the replacement of the Waldvogel Memorial Viaduct, which connects the Sixth Street Expressway to River Road and Elberon and Warsaw Avenues in Lower Price Hill. The 20% local match is the minimum necessary to secure the \$39 million in non-local funds from the Ohio Department of Transportation, the Ohio-Kentucky-Indiana Regional Council of Governments, and the congressional earmarks programmed for the improvement project. The proposed improvement project completely replaces the existing viaduct with a wider, improved River Road at the east end and new, improved connecting ramps to Warsaw and Elberon Avenues at the west end. This project would fund labor, materials, and technologies needed to plan, design, acquire real estate, construct, and inspect this improvement. The total cost of this project is estimated at \$56 million.

Purpose: The purpose of this project is to improve safety for the 50,000 motorists that travel this corridor daily by replacing the existing viaduct with a modern roadway and bridge designed to current standards. The current viaduct can only support 40% of legal loads and has narrow lanes and sharp curves which do not meet today's standards. The Waldvogel Viaduct has the lowest sufficiency rating of any bridge in Hamilton County.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Construction		3,000,000	3,000,000	922,200				\$6,922,200
City Funds	1,800,000	3,000,000	3,000,000	922,200				\$6,922,200
Matching Funds								\$0
Total	1,800,000	3,000,000	3,000,000	922,200	0	0	0	\$6,922,200

OKI Corridor Studies**Dept. Priority:** 6

Description: This project would provide funding for the City's portion of local matching funds to OKI, TID, or ODOT; as well as City staff support or construction activities for a variety of corridor studies underway or planned in the region. This includes the Preliminary Engineering/Draft Environmental Impact Statement (PE/DEIS) for the Eastern Corridor project, any proposed study or design as a follow-up to the Central Area Loop Study (connecting the downtowns of Cincinnati, Covington, and Newport), the Western Corridor Study, and the Uptown Transportation Study.

Purpose: The purpose of this project is to provide matching funds to support various transportation studies and construction projects designed to improve transportation in the City and the region, typically as part of the ongoing OKI type corridor studies.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Other		50,000	100,000	200,000	300,000	50,000	300,000	\$1,000,000
City Funds	440,000	50,000	100,000	200,000	300,000	50,000	300,000	\$1,000,000
Matching Funds								\$0
Total	440,000	50,000	100,000	200,000	300,000	50,000	300,000	\$1,000,000

I-75/Brent Spence Bridge Studies**Dept. Priority:** 7

Description: This project would provide funding for the City's matching funds to support the ODOT design, environmental studies, and construction of I-75 interchanges within the City of Cincinnati. It would also be used to provide City matching funds for the Brent Spence Bridge Replacement Project. The project also provides for City staff support on these major transportation improvements.

Purpose: The purpose of this project is to provide matching funds and City staff time to support transportation studies, design, and construction on I-75 at various interchanges and at the Brent Spence Bridge, in coordination with the Ohio Department of Transportation.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Engineering		50,000	50,000	500,000	500,000	50,000		\$1,150,000
Construction							500,000	\$500,000
City Funds	50,000	50,000	50,000	500,000	500,000	50,000	500,000	\$1,650,000
Matching Funds								\$0
Total	50,000	50,000	50,000	500,000	500,000	50,000	500,000	\$1,650,000

Street Improvements**Dept. Priority:** 8

Description: This project would provide funding for improvements to the through street system to improve safety and/or capacity and to support new housing and/or economic development. Program funds would help leverage outside funding for specific projects from sources such as the Ohio Public Works Commission's State Capital Improvement Program (SCIP)/Local Transportation Improvement Program (LTIP), as well as the Ohio Department of Transportation (ODOT) and Federal Highway Administration (FHWA) funds. This project would fund labor, materials, tools, and technologies needed to plan, design, build, and inspect these improvements.

Purpose: The purpose of this project is to improve safety and capacity on roadways with documented safety or congestion on existing through streets. Upgrades or improvements are also performed in conjunction with new housing and economic development. These funds are successfully used to advance design as needed to leverage outside funds.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		100,000	100,000	100,000	100,000	150,000	100,000	\$650,000
Land		75,000	75,000	75,000	75,000	75,000	75,000	\$450,000
Construction		800,000	800,000	800,000	800,000	1,550,000	800,000	\$5,550,000
Equipment		25,000	25,000	25,000	25,000	25,000	25,000	\$150,000
City Funds	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,800,000	1,000,000	\$6,800,000
Matching Funds								\$0
Total	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,800,000	1,000,000	\$6,800,000

Street Rehabilitation**Dept. Priority:** 9

Description: This project would provide funding for the systematic repair and resurfacing of streets throughout the City under the Street Rehabilitation Program. This project would fund repairs to curbs, pavements, and resurfacing the roadway. Project funds would also be used to match funding from other sources including the Ohio Public Works Commission and the Ohio Department of Transportation. These leveraged funds are used to rehabilitate additional streets. This project would fund labor, materials, and technologies needed to plan, design, build, and inspect this construction.

Purpose: The purpose of this project is to improve safety for motorists and quality of life in neighborhoods by preserving and upgrading street pavement and curbs on over 940 miles of streets. These streets have an area of 2,840 lane-miles (a lane mile is an area equivalent to a one-mile long by ten-foot wide lane) with a replacement value of \$2.6 billion. The funding level is based on rehabilitating an average of 100 lane-miles each year. Additional outside funding is sought to help meet and exceed this standard.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		300,700	300,000	300,000	300,000	300,000	300,000	\$1,800,700
Land		50,000	50,000	50,000	50,000	50,000	50,000	\$300,000
Construction		12,674,000	13,065,600	13,468,700	13,884,100	14,411,700	14,958,800	\$82,462,900
Equipment		25,000	25,000	25,000	25,000	25,000	25,000	\$150,000
City Funds	12,669,000	13,049,700	13,440,600	13,843,700	14,259,100	14,786,700	15,333,800	\$84,713,600
Matching Funds								\$0
Total	12,669,000	13,049,700	13,440,600	13,843,700	14,259,100	14,786,700	15,333,800	\$84,713,600

Curb Ramps - Street Rehab**Dept. Priority:** 10

Description: This project would provide funding for the construction, repair, and replacement of curb ramps throughout the City in concert with streets that are being repaired under the Street Rehabilitation Program. These curb ramps, constructed at intersections, would improve pedestrian access along City streets for citizens with disabilities. This project would fund labor, materials, and technologies needed to plan, design, build, and inspect this construction.

Purpose: The purpose of this project is to meet federal and state laws by improving accessibility for people with disabilities. The Americans with Disabilities Act requires the City to upgrade existing ramps and to install ramps at additional locations. This project allows the City to comply with the requirements of Section 4.29 of 28 Code of Federal Regulations Part 36A - Americans with Disabilities Act Accessibility Guidelines (ADAAG), which became effective July 26, 2001.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		60,000	60,000	60,000	60,000	60,000	60,000	\$360,000
Construction		440,000	454,400	470,000	495,000	505,000	520,000	\$2,884,400
City Funds	736,900	500,000	514,400	530,000	555,000	565,000	580,000	\$3,244,400
Matching Funds								\$0
Total	736,900	500,000	514,400	530,000	555,000	565,000	580,000	\$3,244,400

CBD Gateways/Greenways**Dept. Priority:** 11

Description: This project would provide funding for new Central Business District (CBD) gateways. These projects would include safety improvements and landscaping at the Liberty/ Liberty Hill intersection and at Liberty and Central Parkway in accordance with the Over-the-Rhine Strategic Plan, signage upgrades at Seventh and Central, reconstruction of the Good Friday Arch, and improvements at other strategic locations. Projects in subsequent years will include gateway treatments along Central Avenue to complement the recent Convention Center expansion, additional greenway islands within Liberty, and improvements at Sixth & Broadway.

Purpose: The purpose of this project is to design and construct Central Business District (CBD) gateway and greenway improvements to enhance the entry points and overall image of the CBD. The project contributes to the positive image of downtown and its adjacent areas, and provides valuable greenspace improvements along highway entry points. Project funding leverages outside grant funding through provision of local match funds and leverages private participation in the project through maintenance and operation agreements with community organizations and adjacent businesses and property owners.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		300,000	100,000	100,000	100,000	100,000	100,000	\$800,000
City Funds	100,000	300,000	100,000	100,000	100,000	100,000	100,000	\$800,000
Matching Funds								\$0
Total	100,000	300,000	100,000	100,000	100,000	100,000	100,000	\$800,000

Computerized Traffic Signal System**Dept. Priority:** 12

Description: This project would provide funding to complete the remaining portions of and upgrade existing portions, as needed, of the computerized traffic signal system as recommended by the Smale Infrastructure Commission. This project would provide responsive control of traffic signals throughout the City. This project would also provide and upgrade, as needed, computer equipment and software for those tasks directly related to the project including the replacement of the system specific hardware and software.

Purpose: The purpose of this project is to enable the City's traffic signal system to be more functionally responsive to changeable traffic demands by funding the purchase of electronic solid state equipment. This project will also fund the purchase of traffic signal pre-emption equipment for controllers and fire vehicles. Approximately 50 controllers would be placed in service each year.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		500,000	500,000	500,000	500,000	500,000	500,000	\$3,000,000
City Funds	500,000	500,000	500,000	500,000	500,000	500,000	500,000	\$3,000,000
Matching Funds								\$0
Total	500,000	500,000	500,000	500,000	500,000	500,000	500,000	\$3,000,000

Sidewalk Repair Program**Dept. Priority:** 13

Description: This project would provide funding for the repair, reconstruction, construction, and removal of walks, driveways, curb ramps, and curbs that are the responsibility of the City of Cincinnati. This project would fund labor, materials, and technologies needed to plan, design, build, and inspect the proposed improvements.

Purpose: The purpose of this project is to improve the quality of pedestrian and vehicular access within the City of Cincinnati. It improves Americans with Disabilities Act (ADA) access through construction of curb ramps and reconstructs defective sidewalks that are the City's responsibility.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		85,000	85,000	185,000	185,000	185,000	185,000	\$910,000
Construction		400,000	400,000	500,000	600,000	600,000	600,000	\$3,100,000
Equipment		15,000	15,000	15,000	15,000	15,000	15,000	\$90,000
City Funds	100,000	500,000	500,000	700,000	800,000	800,000	800,000	\$4,100,000
Matching Funds								\$0
Total	100,000	500,000	500,000	700,000	800,000	800,000	800,000	\$4,100,000

Neighborhood Transportation Strategies**Dept. Priority:** 14

Description: This project would provide funding for consultants and City staff support to review development plans and recommend neighborhood and Central Business District (CBD) transportation system improvements, in conjunction with land development opportunities. This project also supports the City staff participation in a variety of projects, committees, and studies that affect the City's and region's transportation network including OKI, ODOT, and Federal funding strategies for infrastructure improvements.

Purpose: The purpose of this project is to support the Department of Transportation and Engineering's responsibility for planning and management of the City's multi-modal transportation system, integrating highway, rail, air, transit, water, bicycle, pedestrian, and utility networks. This project also includes coordinating transportation planning with land use planning, regional transportation issues, and assisting with the formulation of a transportation capital improvement program.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		200,000	150,000	150,000	150,000	150,000	150,000	\$950,000
City Funds	150,000	200,000	150,000	150,000	150,000	150,000	150,000	\$950,000
Matching Funds								\$0
Total	150,000	200,000	150,000	150,000	150,000	150,000	150,000	\$950,000

Wall Stab. & Landslide Correction

Dept. Priority: 15

Description: This project would provide funding for the inspection, repair, rehabilitation, and replacement of retaining walls and provides funding to stabilize landslides affecting the right-of-way at various citywide locations. This project would fund labor, materials, tools, and technologies needed to plan, design, acquire the right-of-way, build and inspect retaining walls and other hillside stabilization systems. The installation of various monitoring devices installed on marginally stable slopes throughout the City is also included.

Purpose: The purpose of this project is to preserve and improve the safety and stability of the City's public street system. Landslides and retaining walls are commonplace in the City of Cincinnati because of geology, topography, and former development practices. Timely replacement of deteriorated retaining walls and stabilization of landslides are essential to protect the transportation and utility infrastructure, and to prevent hazardous conditions within the right-of-way. The City maintains 50.6 miles of retaining walls with an estimated replacement value of \$140 million.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		170,000	170,000	170,000	170,000	170,000	170,000	\$1,020,000
Land		20,000	20,000	20,000	20,000	20,000	20,000	\$120,000
Construction		750,000	750,000	720,000	720,000	800,000	800,000	\$4,540,000
Equipment		10,000	10,000	20,000	20,000	10,000	10,000	\$80,000
Other		50,000	50,000	70,000	70,000			\$240,000
City Funds	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	\$6,000,000
Matching Funds								\$0
Total	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	\$6,000,000

Hillside Stairway Rehabilitation Program

Dept. Priority: 16

Description: This project would provide funding for the inspection, repair, rehabilitation, replacement, and removal of the City's hillside stairways. This project would fund labor, materials, and technologies needed to plan, design, acquire right-of-way, build, and inspect these assets.

Purpose: The purpose of this project is to preserve and enhance pedestrian access to homes, businesses, churches, schools, playgrounds, bus stops, and other facilities. The City maintains 398 sets of hillside stairways with an estimated replacement value of \$12 million.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		64,000	64,000	64,000	64,000	66,000	66,000	\$388,000
Land		3,000	3,000	3,000	3,000	3,000	3,000	\$18,000
Construction		177,000	177,000	177,000	177,000	178,000	178,000	\$1,064,000
Equipment		3,000	3,000	3,000	3,000	3,000	3,000	\$18,000
Other		3,000	3,000	3,000	3,000			\$12,000
City Funds	250,000	250,000	250,000	250,000	250,000	250,000	250,000	\$1,500,000
Matching Funds								\$0
Total	250,000	250,000	250,000	250,000	250,000	250,000	250,000	\$1,500,000

Gilbert Avenue Greenway**Dept. Priority:** 17

Description: This project would provide funding for the creation of a greenway with a median, sidewalks, and street trees along Gilbert Avenue from Eden Park to Victory Parkway, and would eventually connect with the Central Business District through the completed Gilbert Avenue Gateway/Greenway. The project would be constructed in three phases: Eden Park to McMillan, McMillan to Martin Luther King, and Martin Luther King to Victory Parkway. Existing funding will be expended to leverage Federal Transportation Funds and construct the first phase of the project; future funding will provide for the development, design, and engineering of future phases.

Purpose: The purpose of this project is to increase pedestrian safety by providing a safe haven for pedestrians crossing Gilbert Avenue and by introducing a measure of 'traffic calming' in the area of the medians. The greenway would extend through the Nassau-Eden and McMillan Street historic districts and would enhance the visual and physical environments of these districts.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		200,000		150,000	700,000	100,000	150,000	\$1,300,000
City Funds	100,000	200,000		150,000	700,000	100,000	150,000	\$1,300,000
Matching Funds								\$0
Total	100,000	200,000	0	150,000	700,000	100,000	150,000	\$1,300,000

Downtown Street Lights**Dept. Priority:** 18

Description: This project would provide funding to upgrade the existing boulevard and decorative high mast lighting in the Central Business District. This lighting is currently owned by Cinergy. The City would purchase the existing lights and poles, and replace the incandescent street light fixture with a metal halide fixture. The existing support poles would also be painted as part of this project. There are approximately 240 of the boulevard poles and 38 of the high mast poles.

Purpose: The purpose of this project is to extend the useful life of the existing street lights and provide the Division of Traffic Engineering an opportunity to develop a long term plan for replacing the street light poles, fixtures, wiring, and conduit.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		20,000						\$20,000
Construction		160,000						\$160,000
City Funds	180,000	180,000						\$180,000
Matching Funds								\$0
Total	180,000	180,000	0	0	0	0	0	\$180,000

Kennedy Connector**Dept. Priority:** 19

Description: This project would provide funding for the design and construction of a new street to connect the intersection of Duck Creek Road and Kennedy Avenue with Ridge Avenue. Project funds may be used for labor, materials, and technologies as needed to plan, design, acquire right-of-way, build, and inspect the proposed improvements. In 2007, \$1,250,000 of the Kennedy Connector project funding will be counted toward the City's Small Infrastructure spending requirement.

Purpose: The purpose of this project is to improve safety and relieve congestion by providing an alternate route for Ridge Avenue, and improve traffic circulation between Ridge Avenue, Duck Creek Road, Kennedy Avenue, Red Bank Expressway, Interstate 71, and the Norwood Lateral. The new road would alleviate congestion at intersections in the vicinity. This project would support existing development in the Oakley and Madisonville neighborhoods and expand economic development capacity for new retail and commercial development. Funding from outside sources would be needed for construction.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		12,500,000	1,400,000					\$13,900,000
City Funds	4,800,000	12,500,000	1,400,000					\$13,900,000
Matching Funds								\$0
Total	4,800,000	12,500,000	1,400,000	0	0	0	0	\$13,900,000

LED Traffic and Pedestrian Signals

Dept. Priority: 21

Description: This project would provide funding for the replacement of incandescent type traffic signals and pedestrian signals with energy efficient and longer life LED types. This project would also include replacing entire pedestrian and traffic signal heads where older units exist and retrofitting the optical unit only in newer units.

Purpose: The purpose of this project is to generate operating savings through decreased energy costs and wash/relamp costs, and should also result in a reduction in traffic signal outages. Typical incandescent lamps must be replaced once each year. LED's have a useful life of 7 to 10 years, depending on the type, and also use 80% to 90% less energy than incandescent lamps. The price of the LED units has decreased significantly over the past 3 or 4 years and is now comparable to the price of regular traffic and pedestrian signal heads. This project will also accelerate the replacement of the word messages in pedestrian signals with the "Hand and Man" symbols that are now required.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		20,000	20,000	20,000	20,000	20,000	20,000	\$120,000
Construction		200,000	200,000	200,000	200,000	200,000	200,000	\$1,200,000
Equipment		230,000	230,000	230,000	230,000	230,000	230,000	\$1,380,000
City Funds	450,000	450,000	450,000	450,000	450,000	450,000	450,000	\$2,700,000
Matching Funds								\$0
Total	450,000	450,000	450,000	450,000	450,000	450,000	450,000	\$2,700,000

Hamilton Avenue Improvements Phase 1

Dept. Priority: 22

Description: This project would provide local funding for widening pavement on Hamilton Avenue between South Ridge Drive (formerly Windermere Way) and Groesbeck Road. At the Belmont Avenue/Hillcrest Road intersection and the South Ridge Drive intersection, the pavement will be additionally widened to provide left turn lanes. The sidewalk spaces on both sides of Hamilton Avenue will be reconstructed throughout the project limits. This project would provide local funds for labor, materials, and technologies needed to plan, design, acquire right-of-way, build, and inspect the proposed improvements.

Purpose: The purpose of this project is to improve safety and capacity on Hamilton Avenue from South Ridge Drive to Groesbeck Road by widening the pavement and providing left turn lanes at signalized intersections. Federal Congestion Mitigation and Air Quality (CMAQ) funds and Surface Transportation Program (STP) funds were secured through OKI and will be used to pay for 80% of the construction and right of way costs. Ohio Public Works Commission (OPWC) funds were accepted and will be used to pay for the 20% local match for construction. City Capital funds will be used to pay local costs, including project management, surveying, design, construction management, and inspections needed to advance this project to completion.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		380,000						\$380,000
City Funds		380,000						\$380,000
Matching Funds								\$0
Total	0	380,000	0	0	0	0	0	\$380,000

Riverside Drive - Eggleston to Bains**Dept. Priority:** 23**Description:**

This project would provide funding for widening of the roadway from 40' to 44', upgrading the intersection of Riverside Drive and Adams Crossing to current design standards, installation of a retaining wall in CRC Sawyer Point parking lot to support the intersection upgrades at Riverside Drive and Adams Crossing, installation of a sidewalk on both sides of the street, installation of street lighting, and aesthetic improvements. Project funds may be used for labor, materials, and technologies as needed to plan, design, acquire right-of-way, build, and inspect the proposed improvements.

Purpose:

The purpose of this project is to improve vehicular and pedestrian safety on Riverside Drive from Eggleston Avenue to Bains Street by improving the Adams Crossing intersection and the pedestrian access along the Sawyer Point Park and the International Friendship Park. OPWC funding will fund a portion of the construction.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		1,000,000						\$1,000,000
City Funds		1,000,000						\$1,000,000
Matching Funds								\$0
Total	0	1,000,000	0	0	0	0	0	\$1,000,000

Red Bank Road - Fair Lane to Brotherton**Dept. Priority:** 24**Description:**

This project would provide funding to widen Red Bank from approximately Fair Lane to Brotherton to provide at least two through lanes in both directions, access management, and a left turn lane. Bike and pedestrian access may also be provided with this project. Project funds may be used for labor, materials, and technologies as needed to plan, design, acquire right-of-way, build, and inspect the proposed improvements.

Purpose:

The purpose of this project is to widen Red Bank from approximately Fair Lane to Brotherton. Roadway capacity will be improved by providing additional through lanes and lessening delays caused by left-turning vehicles. The Red Bank corridor is being planned as a future Limited Access roadway which would connect I-71 to Columbia Parkway/US 50 and possibly SR 32, under consideration now as a part of the Eastern Corridor study. This project would be a vital portion of that Corridor and a much needed reliever for Cincinnati's East side neighborhoods.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		175,000	100,000					\$275,000
City Funds		175,000	100,000					\$275,000
Matching Funds								\$0
Total	0	175,000	100,000	0	0	0	0	\$275,000

Colerain Corridor TSM Improvements**Dept. Priority:** 25

Description: This project would provide Transportation System Management (TSM) funds which would help provide for a discreet number of TSM projects, including intersection improvements, roadway widenings, and realignment improvements for the Colerain Corridor, as outlined in the approved Colerain Corridor Plan. TSM funds may be used for labor, materials, and technologies as needed to plan, design, acquire right-of-way, build, and inspect the proposed improvements.

Purpose: The purpose of this project is to improve the capacity and safety of the existing street network within the Colerain Corridor boundary. Requests will be made to the Ohio Department of Transportation (ODOT), the Ohio-Kentucky-Indiana (OKI) Regional Council of Governments, and the Ohio Public Works Commission (OPWC) for funding assistance.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
Land		100,000	100,000	100,000	100,000	50,000	100,000	\$550,000
Construction		400,000	300,000	300,000	800,000	250,000	300,000	\$2,350,000
City Funds		600,000	500,000	500,000	1,000,000	400,000	500,000	\$3,500,000
Matching Funds								\$0
Total	0	600,000	500,000	500,000	1,000,000	400,000	500,000	\$3,500,000

Columbia Parkway Access Management**Dept. Priority:** 26

Description: This project would provide funding for the closure of physical access and acquiring access rights from properties abutting Columbia Parkway between Kemper Lane and Delta Avenue. The project would maintain access for existing driveways while acquiring access rights from adjacent properties to eliminate new driveways and access points. This project would provide funds for labor, materials, and technologies needed to plan, design, acquire right-of-way, build, and inspect the proposed improvements.

Purpose: The purpose of this project is to improve safety along Columbia Parkway between Kemper Lane and Delta Avenue by eliminating additional points of access along this important artery. Additional driveways would create additional conflict points which would increase accidents on Columbia Parkway.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		250,000						\$250,000
City Funds	250,000	250,000						\$250,000
Matching Funds								\$0
Total	250,000	250,000	0	0	0	0	0	\$250,000

Downtown Public Paver Replacement**Dept. Priority:** 27

Description: This project would provide funding for the repair, reconstruction, construction, and removal of paver walks, driveways, and curb ramps in the downtown area that are the responsibility of the City of Cincinnati. This project would fund labor, materials, expert services, and technologies needed to plan, design, build, and inspect the proposed improvements.

Purpose: The purpose of this project is to preserve and improve the quality of pedestrian access within the City of Cincinnati. It improves Americans with Disabilities Act (ADA) access through reconstruction of paver curb ramps and defective paver sidewalks that are the City's responsibility.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		50,000	50,000	50,000	50,000	50,000	50,000	\$300,000
City Funds		50,000	50,000	50,000	50,000	50,000	50,000	\$300,000
Matching Funds								\$0
Total	0	50,000	50,000	50,000	50,000	50,000	50,000	\$300,000

Ohio River Trail - Carrel to Wilmer

Dept. Priority: 28

Description: This project would provide funding for the environmental, design, and construction phases for a 2000-foot long bike/hike trail, remodeling of the existing Lunken Trail and Lunken Terminal parking facilities, improvements to Carrel Street and Dumont Street, elimination of an existing railroad grade crossing, and improvements to another railroad grade crossing.

Purpose: The purpose of this project is to systematically construct the Ohio River Trail by extending the existing bike/hike trail at Lunken Airport, adding transportation value, in accordance with City Council Motion, Columbia-Tusculum Urban Design Plan, and prior Capital Improvement requests from the community. Federal funding (HUD, FHWA) has been acquired for design and construction. This project provides local funding to leverage the federal funds and allows the administration to advance this project towards construction. This project improves a blighted area and enhances transportation options in the area.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Construction		300,000						\$300,000
City Funds		300,000						\$300,000
Matching Funds								\$0
Total	0	300,000	0	0	0	0	0	\$300,000

Safety Improvements

Dept. Priority: 30

Description: This project would provide funding for the upgrade of existing streets that require minor improvements based upon safety and operational recommendations. Included in this project would be all work necessary to plan, design, construct, and inspect the proposed improvements, such as islands, bump outs, and other channelization methods. This project would also include aesthetic and other required elements to improve the neighborhood transportation network.

Purpose: The purpose of this project is to make minor safety improvements to streets that do not generally qualify for outside funding. This project coordinates efforts with other projects (like the Street Rehabilitation Program) or stand alone to construct safety improvements to maximize funding allocations.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Construction		100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
City Funds	100,000	100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
Matching Funds								\$0
Total	100,000	100,000	100,000	100,000	100,000	100,000	100,000	\$600,000

Spot Infrastructure Replacement

Dept. Priority: 31

Description: This project would provide funding for the replacement of deteriorated infrastructure not covered under other capital projects, including curb replacements and major pavement repairs on streets not requiring rehabilitation, and median reconstruction. This project would also fund pavement treatments, including pavement rejuvenation, needed to supplement and extend the Street Rehabilitation Program. This project would fund labor, materials, and technologies needed to plan, design, acquire right-of-way, build, and inspect the proposed improvements.

Purpose: The purpose of this project is to address citizen concerns about isolated infrastructure deficiencies (namely curb, median, and pavement) that do not fit into other capital programs and to extend the useful life of pavements through use of rejuvenators, slurry seals, and other pavement treatments. This project improves responsiveness to citizen requests for repair and preserves pavement assets.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Engineering		10,000	10,000	10,000	10,000	10,000	10,000	\$60,000
Construction		490,000	490,000	730,000	730,000	730,000	730,000	\$3,900,000
City Funds	740,000	500,000	500,000	740,000	740,000	740,000	740,000	\$3,960,000
Matching Funds								\$0
Total	740,000	500,000	500,000	740,000	740,000	740,000	740,000	\$3,960,000

Neighborhood Gateways**Dept. Priority:** 32

Description: This project would provide funding for the design, engineering, construction, and inspection of neighborhood gateways, landscaped traffic islands, and similar community improvements. The project would potentially implement CPR requests for Kennedy Heights, East Price Hill, Queensgate, and North Avondale received in 2006. Maintenance commitments for the improvements are secured from community and business groups.

Purpose: The purpose of this project is to support existing infrastructure programs by constructing enhancements and improvements that are ineligible for funding through the primary construction project, but improve safety and community identity. The project contributes to the positive image of the City's neighborhoods and promotes community pride and engagement. This project leverages community participation through commitment of community groups, businesses, and/or property owners to maintain the improvements.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		100,000	50,000	75,000	50,000	75,000	50,000	\$400,000
City Funds	50,000	100,000	50,000	75,000	50,000	75,000	50,000	\$400,000
Matching Funds								\$0
Total	50,000	100,000	50,000	75,000	50,000	75,000	50,000	\$400,000

Central Parkway Lighting Replacement**Dept. Priority:** 33

Description: This project would provide funding for a four-year phased replacement of Central Parkway street lighting between Liberty Street and Ludlow Avenue. This project would result in the complete replacement of all lights, conduit, and pullboxes. Three phases of this project have already been funded and this funding would be for the fourth and final phase which is located on Central Parkway between Hopple Street and Ludlow Avenue.

Purpose: The purpose of this project is to replace Central Parkway street lighting between Hopple Street and Ludlow Avenue. This project is necessary as the old cable is rotting and the lead shield that is currently being used as a ground is easily broken. Additionally, many of the pole bases are rusted and in need of replacement. This project will provide funds for all work, equipment, and information technologies needed to plan, design, construct, and inspect the proposed improvement.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		300,000	300,000	300,000				\$900,000
City Funds		300,000	300,000	300,000				\$900,000
Matching Funds								\$0
Total	0	300,000	300,000	300,000	0	0	0	\$900,000

Traffic Signal Controllers & Detectors**Dept. Priority:** 34**Description:**

This project would provide funding to replace obsolete and outdated traffic signal controllers and detectors that have exceeded their physical and technological lives. Most traffic signal controllers become technologically obsolete within 10 years, and conditionally obsolete within 15 years. Replacing the signal controllers and detectors would reduce maintenance costs and improve reliability. The traffic signal controller is the primary element of a traffic signal, and modern technology has brought about massive improvements in controller flexibility. The traffic signal controllers are replaced on a citywide basis, and the current controller modules in use are compatible with the Computerized Traffic Signal System.

Purpose:

The purpose of this project is to replace obsolete and outdated traffic signal controllers and detectors. The timely replacement and installation of traffic controllers and vehicle detectors will allow for the proper and optimum operation of traffic control devices.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Engineering							40,000	\$40,000
Construction		40,000	40,000	40,000	40,000	40,000		\$200,000
Equipment		85,000	85,000	85,000	85,000	85,000	85,000	\$510,000
City Funds	150,000	125,000	125,000	125,000	125,000	125,000	125,000	\$750,000
Matching Funds								\$0
Total	150,000	125,000	125,000	125,000	125,000	125,000	125,000	\$750,000

Skywalk Improvements**Dept. Priority:** 36**Description:**

This project would provide funding for the upgrade and improvement of the Central Business District (CBD) Skywalk network; including roof replacements, canopy replacement, curtain wall repairs, installing new windows to improve visibility into the skywalk, and safety, security, and lighting upgrades. Updates to the skywalk marker system are also included. Project funding would also be utilized for the removal of obsolete segments of the system, as necessary, to mitigate ongoing City maintenance liabilities.

Purpose:

The purpose of this project is to upgrade and improve the existing system of downtown Skywalk bridges for access and convenience of downtown workers, visitors, and residents. The project also funds activities to mitigate long term maintenance liabilities.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Construction		50,000	200,000	300,000	300,000	300,000	300,000	\$1,450,000
City Funds	300,000	50,000	200,000	300,000	300,000	300,000	300,000	\$1,450,000
Matching Funds								\$0
Total	300,000	50,000	200,000	300,000	300,000	300,000	300,000	\$1,450,000

Raised Pavement Markers**Dept. Priority:** 37

Description: This project would provide funding for reflective raised pavement markers and reflective raised separators or hazard markers that would be installed in curves and other roadway areas where the visibility of normal painted markings are not sufficient. The reflective markers increase the target value of pavement markings. The markers are used as part of an overall accident prevention program, and these markers are most helpful in curved roadway locations. The markers are installed on curves with high accident rates, and on streets that are not on the street rehabilitation six-year plan.

Purpose: The purpose of this project is to provide reflective raised pavement markers and reflective raised separators or hazard markers. Raised pavement markers and raised separators or hazard markers greatly enhance positive guidance through curves, and have been instrumental in reducing accidents in roadway curves. The markers are also helpful in guiding motorists through lane transitions and have much greater intensity during rain than normal painted pavement markings.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Construction		50,000	50,000	50,000	50,000	50,000	50,000	\$300,000
City Funds	50,000	50,000	50,000	50,000	50,000	50,000	50,000	\$300,000
Matching Funds								\$0
Total	50,000	50,000	50,000	50,000	50,000	50,000	50,000	\$300,000

Bicycle Transportation Program**Dept. Priority:** 38

Description: This project would provide funding for activities that enhance and improve bicycle/pedestrian transportation, safety, and access citywide and as part of the larger regional effort. Specific improvement projects may include bicycle safe inlets, bicycle lanes, parking, signing, railroad crossings, traffic improvements, safety projects, and multi-use trails. This project would provide funds for labor, materials, and technologies needed to plan, design, acquire right-of-way, build, and inspect the proposed improvements.

Purpose: The purpose of this project is to develop and advance bicycle/pedestrian projects, from small projects in response to community requests, to large trail projects, and other projects which improve bicycle safety or advocate increased bike/ped usage. The project will also allow coordination with surrounding political jurisdictions to enhance bicycle/pedestrian usage in the region. Project funds may also be used to leverage outside funding from state, federal, and other sources.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Engineering		55,000	55,000	15,000	55,000	58,200	52,500	\$290,700
Land		20,000	20,000	20,000	20,000			\$80,000
Construction		20,000	20,000	60,000	42,400	150,000	100,000	\$392,400
Equipment		5,000	5,000	5,000	5,000			\$20,000
City Funds	100,000	100,000	100,000	100,000	122,400	208,200	152,500	\$783,100
Matching Funds								\$0
Total	100,000	100,000	100,000	100,000	122,400	208,200	152,500	\$783,100

Hamilton Avenue Improvements Phase 2**Dept. Priority:** 39**Description:**

This project would provide local funding for widening pavement on Hamilton Avenue between Ashtree Drive and South Ridge Drive (formerly Windermere Way). At the Ashtree Drive intersection and at the Hammond North Apartments the pavement would be widened to provide a left turn lane. This project would provide local funds for labor, materials, and technologies as needed to plan, design, acquire right-of-way, build, and inspect the proposed improvements.

Purpose:

The purpose of this project is to improve safety and capacity of Hamilton Avenue from Ashtree Drive to South Ridge Drive (formerly Windermere Way) by widening the pavement and providing left turn lanes at signalized intersections. Federal Surface Transportation Program (STP) funds were secured through OKI and will be used to pay for 80% of the construction costs. Ohio Public Works Commission (OPWC) funds will be sought and if granted, will be used to pay for the 20% local match for construction. City Capital funds will be used to pay local costs, including project management, surveying, design, construction management, and inspection needed to advance this project to completion.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		31,000						\$31,000
Construction			320,000	450,000				\$770,000
City Funds		31,000	320,000	450,000				\$801,000
Matching Funds								\$0
Total	0	31,000	320,000	450,000	0	0	0	\$801,000

Montana Ave. Impr. - Boudinot to Farrell**Dept. Priority:** 40**Description:**

This project would provide funding for improvements to Montana Avenue between Farrell Drive and Boudinot Avenue by widening the four nine-foot lanes to one ten-foot lane and one eleven-foot curb lane in each direction. This project also would include a more pedestrian friendly walkway with a continuous five-foot sidewalk and sod strip with planted trees on both sides and pavers in the business district consistent with Westwood's Urban Design Plan. Left turn lanes would also be added at Boudinot Avenue and Westwood Northern Boulevard. This project would provide funds for labor, materials, and technologies as needed to plan, design, acquire right-of-way, build, and inspect the proposed improvements.

Purpose:

The purpose of this project is to improve safety and reduce congestion along a 1.8 mile section of Montana Avenue resulting from its narrow lanes and a lack of left turn lanes at signalized intersections. Montana Avenue is classified as a principal arterial and is used by 20,700 vehicles per day. A total of 512 accidents were reported on this section of roadway in a three-year period preceding 2004. Approximately 44% of these accidents were rear-end crashes and approximately 41% were sideswipe crashes. These crashes were evenly distributed along the length of the proposed project.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other		100,000	400,000	500,000				\$1,000,000
City Funds		100,000	400,000	500,000				\$1,000,000
Matching Funds								\$0
Total	0	100,000	400,000	500,000	0	0	0	\$1,000,000

CBD Pedestrian & Parking Lot Signage**Dept. Priority:** 43

Description: This project would provide funding for the design, fabrication, and installation for a system of way-finding graphics for downtown. The project would consist of pedestrian oriented maps, district identities, and directional signage for Central Business District (CBD) destinations. The project would also include future expansion of the system to include all public parking lots. Future funding would also be used to provide updates to the system to include new major destinations.

Purpose: The purpose of this project is to provide a comprehensive graphic system that communicates information to citizens and visitors to facilitate their visit to various CBD destinations and promotes the accessibility of downtown. The project expands the earlier phases of the CBD and Fort Washington Way way-finding system to include way-finding from the Central Business District perimeter to districts and major destinations (Great American Ball Park, Paul Brown Stadium, etc.). Additional pedestrian map panels within the CBD core are also included. The system directs and informs visitors about various downtown districts and provides parking and way-finding information.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		50,000	25,000	50,000	25,000	50,000	25,000	\$225,000
City Funds	50,000	50,000	25,000	50,000	25,000	50,000	25,000	\$225,000
Matching Funds								\$0
Total	50,000	50,000	25,000	50,000	25,000	50,000	25,000	\$225,000

Pavement Management**Dept. Priority:** 44

Description: This project would provide funding for a pavement management system and includes a thorough inspection and evaluation of all through streets each year. Residential streets would be inspected every three years. These inspections are used to measure the condition of city streets, to better measure the effectiveness of rehabilitation and maintenance programs, and to guide selection of streets for the Street Rehabilitation Program. This project would fund labor, materials, and technologies needed for this project.

Purpose: The purpose of this project is to identify the condition of Cincinnati's streets and guide decisions on the appropriate time for and type of treatment, including reconstruction, rehabilitation, resurfacing, slurry seal, crack seal, and rejuvenation. Additionally, there is a federal standard (GASB 34) that requires that the entire street system be inspected on a three-year cycle to evaluate the condition of public transportation assets.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
City Funds	100,000	100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
Matching Funds								\$0
Total	100,000	100,000	100,000	100,000	100,000	100,000	100,000	\$600,000

Ohio River Trail - Congress to Carrel**Dept. Priority:** 46

Description: This project would provide funding for construction of the Ohio River Trail from Congress to Carrel. This segment of the bike trail is located in Columbia-Tusculum. The construction of this portion of the bike trail will close the gap between the existing loop trail at Lunken Airport and the new trail from Corbin to Stanley.

Purpose: The purpose of this project is to systematically construct the Ohio River Trail by extending the bike/hike trail at Lunken Airport toward downtown, adding transportation value. This project supports a City Council Motion, the Columbia-Tusculum Urban Design Plan, and prior Capital Improvement requests from the community.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other		462,000	100,000	100,000	100,000			\$762,000
City Funds		462,000	100,000	100,000	100,000			\$762,000
Matching Funds								\$0
Total	0	462,000	100,000	100,000	100,000	0	0	\$762,000

Convention Center Expansion**Dept. Priority:** 55**Description:** This project would provide funding necessary for the City's General Capital Budget contribution to the Convention Center Expansion project.**Purpose:** The purpose of this project is to maintain a separate, distinct project for the payments made for the City's contribution from the General Capital Budget for the expansion of the Duke Energy Center. The City's contribution from the General Capital Budget began with the 2003 allocation.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other		1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	\$6,000,000
City Funds	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	\$6,000,000
Matching Funds								\$0
Total	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	\$6,000,000

Riverfront Master Plan Coordination**Dept. Priority:** 20**Description:** This project would provide funding for staff expenditures necessary to implement the Central Riverfront Master Plan that cannot be applied to current or future infrastructure projects. Project funding is utilized to coordinate various components of Riverfront infrastructure, transportation, and development projects.**Purpose:** The purpose of this project is to fund staff expenditures necessary to coordinate and implement the Central Riverfront Master Plan. Funding permits staff involvement in the proposed 3CDC and/or County revisions to the Master Plan and coordination of planning, construction, and project phasing activities with other City and County activities.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			50,000	50,000	50,000	25,000	25,000	\$200,000
City Funds	50,000	0	50,000	50,000	50,000	25,000	25,000	\$200,000
Matching Funds								\$0
Total	50,000	0	50,000	50,000	50,000	25,000	25,000	\$200,000

Downtown Infrastructure Coordination**Dept. Priority:** 29**Description:** This project would provide funding for the design, planning, engineering, and inspection work related to various downtown development projects that require Department of Transportation and Engineering staff support. These projects include development on and around Fountain Square, the Riverfront/Banks area, and other important locations throughout the Central Business District (CBD). Implementation will be initially targeted within the CBD core to complement and coordinate with the 3CDC Fountain Square improvements and other associated redevelopment efforts.**Purpose:** The purpose of this project is to support downtown and riverfront development by planning and implementing CBD streetscape and infrastructure improvements in coordination with new CBD and Riverfront redevelopment activities.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			50,000	1,000,000	50,000	1,000,000	50,000	\$2,150,000
City Funds			50,000	1,000,000	50,000	1,000,000	50,000	\$2,150,000
Matching Funds								\$0
Total	0	0	50,000	1,000,000	50,000	1,000,000	50,000	\$2,150,000

Central Riverfront Street Grid**Dept. Priority:** 35

Description: This project would provide funding for the design, engineering, and construction of remaining street grid segments in the Central Riverfront and improve accessibility to the Banks development project, Northern Kentucky, and the existing Riverfront venues. Existing funding, though not expended, is allocated to existing reimbursement and grant obligations. New funding would be utilized to supplement State and Federal grants and complete remaining work on Mehring Way, Ted Berry Way, Race Street, or Freedom Way.

Purpose: The project would construct remaining portions of the Central Riverfront Street Grid, improve accessibility to and from Northern Kentucky and the CBD, and support the Central Riverfront Park, the Banks, and further redevelopment projects in the Riverfront.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Construction			440,000	560,000				\$1,000,000
City Funds			440,000	560,000				\$1,000,000
Matching Funds								\$0
Total	0	0	440,000	560,000	0	0	0	\$1,000,000

Vine St. from Nixon to Erkenbrecher**Dept. Priority:** 41

Description: This project would provide funding for improvements to Vine Street from Nixon to Erkenbrecher. The improvement would widen the existing roadway, improving the flow of pedestrian and vehicular traffic. This project would provide funds for labor, materials, tools, and technologies needed to plan, design, acquire right-of-way, build, and inspect the proposed improvements.

Purpose: The purpose of this project is to improve safety and capacity of the Vine Street corridor and the surrounding area which is the region's second highest concentration of employers, including the hospitals, the University of Cincinnati, and the Cincinnati Zoo. The project will make Vine Street a focal point for mixed use development including parking, office, housing, research, and greenspace. Outside funding will be needed to cover the construction cost.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Construction			700,000					\$700,000
City Funds	200,000	0	700,000					\$700,000
Matching Funds								\$0
Total	200,000	0	700,000	0	0	0	0	\$700,000

Harrison Avenue Improvements**Dept. Priority:** 42

Description: This project would provide funding for spot improvements to Harrison Avenue from Queen City Avenue to the City's West Corporation Limits including widening pavement, using skid resistant pavement, improving curve superelevation, adding lane width and adding left turn lanes at signalized intersections, where necessary. The funds may be used for labor, materials, and technologies as needed to plan, design, acquire right-of-way, build, and inspect the proposed improvements.

Purpose: The purpose of this project is to improve the safety and capacity of Harrison Avenue. The 3.95 mile long project will reduce the high accident rate and improve intersection congestion at various locations.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Construction			320,000	340,000	200,000			\$860,000
City Funds			320,000	340,000	200,000			\$860,000
Matching Funds								\$0
Total	0	0	320,000	340,000	200,000	0	0	\$860,000

Columbia Parkway Enhancements**Dept. Priority:** 45

Description: This project would provide funding for the construction of lighting, bridge rail improvements, landscaping, and slope stabilization along the 6.1 mile stretch of Columbia Parkway from the Central Business District (CBD) to the eastern Corporation Line. (Roadway pavement conditions would be evaluated as part of existing infrastructure programs, with necessary improvements undertaken by those programs.) Funding would be utilized to continue lighting improvements in the areas between Torrence Parkway and Delta Avenue.

Purpose: The purpose of this project is to implement safe, attractive, and historically appropriate bridge rail and vandal screens, orientation/directional signage, landscaping, and lighting to create a safe, attractive environment for daily commuters and the surrounding neighborhoods. These improvements are part of the Columbia Parkway Master Plan which identified needs and necessary improvements to the Historic Parkway to restore its prominence in Cincinnati's Parkway/Greenway system.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			100,000	25,000	25,000	125,000	50,000	\$325,000
Construction				375,000	175,000	275,000	150,000	\$975,000
City Funds	340,000	0	100,000	400,000	200,000	400,000	200,000	\$1,300,000
Matching Funds								\$0
Total	340,000	0	100,000	400,000	200,000	400,000	200,000	\$1,300,000

Citywide Develop. Trans Enhancements**Dept. Priority:** 48

Description: This project would provide funding to support the study, design, and construction for major transportation improvement initiatives such as the Cincinnati Public Schools transportation improvements, and Uptown transportation improvements.

Purpose: The purpose of this project is to provide needed funding for City staff and consultant time in developing and analyzing major transportation projects and initiatives associated with major changes in land use and development.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			100,000	100,000	100,000	100,000	100,000	\$500,000
City Funds	100,000	0	100,000	100,000	100,000	100,000	100,000	\$500,000
Matching Funds								\$0
Total	100,000	0	100,000	100,000	100,000	100,000	100,000	\$500,000

Clifton Avenue Islands**Dept. Priority:** 47

Description: This project would provide funding for the design and construction of new landscaped medians and curb 'bump-outs' on Clifton Avenue adjacent to the University of Cincinnati (UC) and the new Stratford Heights development in the Uptown area. Maintenance of the improvements would be assumed by the University. The project would coordinate with the access points of the new Stratford Heights development and other significant origin points along the west side of Clifton Avenue and with the relocation of major entry points into the UC campus. Future projects may also extend north along Burnet Woods Park and Hebrew Union.

Purpose: The purpose of this project is to improve pedestrian safety and the visual environment by constructing new landscaped medians and curb 'bump-outs' to facilitate pedestrian access between the University, the new Stratford Heights development on Clifton Avenue, and other points along the west side of Clifton Avenue. The islands would also create a measure of "traffic calming" for the immediate area.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering				210,000				\$210,000
Construction					300,000	100,000	100,000	\$500,000
City Funds				210,000	300,000	100,000	100,000	\$710,000
Matching Funds								\$0
Total	0	0	0	210,000	300,000	100,000	100,000	\$710,000

ML King/I-71 Interchange**Dept. Priority:** 50**Description:** This project would provide funding for a study project which includes planning, preliminary engineering, and other related costs associated with the development of a proposed interchange concept at Interstate 71 and Martin Luther King, Jr. Drive.**Purpose:** The purpose of this project is to provide funding for a study project to determine the cost and feasibility of providing an important link between the Uptown area, the second highest employment area in Greater Cincinnati, and Interstate 71. Currently, traffic uses the residential streets to access interchanges north and south of M.L. King, Jr. Drive. Federal funds will be needed for construction.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Engineering				100,000	50,000			\$150,000
Land				150,000	200,000			\$350,000
Construction						500,000	500,000	\$1,000,000
City Funds	100,000	0		250,000	250,000	500,000	500,000	\$1,500,000
Matching Funds								\$0
Total	100,000	0	0	250,000	250,000	500,000	500,000	\$1,500,000

Uptown Wayfinding System**Dept. Priority:** 51**Description:** This project would provide funding for the planning, design, fabrication, and installation of a system of way-finding graphics for the Uptown area. This project would consist of district identities and directional signage for various Uptown destinations. Existing funding leverages private contributions for implementation and maintenance, and leverages a Transportation Enhancement grant. Future funding will be used to provide updates to the system to include new major destinations.**Purpose:** The purpose of this project is to implement a comprehensive graphic signage system that communicates information to citizens and visitors to facilitate their visit to the various Uptown destinations and promotes the accessibility in and through the Uptown neighborhood.

Phases	Prior Year	2007	2008	2009	2010	2011	2012	2007-2012 Total
Engineering				200,000				\$200,000
City Funds				200,000				\$200,000
Matching Funds								\$0
Total	0	0	0	200,000	0	0	0	\$200,000

Over-the-Rhine Streetscape Improvements**Dept. Priority:** 52

Description: This project would provide funding to improve curbs and sidewalks, remediate existing sidewalk encroachments, and upgrade lighting and street furniture along Vine, Jackson, and Twelfth Streets, and at other strategic locations in Over-the-Rhine. This project would improve pedestrian accessibility and safety, and the physical appearance of the neighborhood. This project would also support current development by completing sidewalk and lighting in areas adjacent to, but not included in, these development projects.

Purpose: The purpose of this project is to improve curbs and sidewalks, remediate existing sidewalk encroachments, and upgrade lighting and street furniture along Vine, Jackson, and Twelfth Streets, and at other strategic locations in Over-the-Rhine to improve pedestrian accessibility, safety, and the physical appearance of the neighborhood. Through removal of basement encroachments into the sidewalk, the project also supports current and future redevelopment efforts.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering				250,000				\$250,000
Construction					500,000	500,000	500,000	\$1,500,000
City Funds				250,000	500,000	500,000	500,000	\$1,750,000
Matching Funds								\$0
Total	0	0	0	250,000	500,000	500,000	500,000	\$1,750,000

Street Light Replacement Project**Dept. Priority:** 53

Description: This project would provide funding for the replacement of entire street light fixtures owned by the City and maintained by Duke Energy. The replacement would be done through a contract with Duke Energy.

Purpose: The purpose of this project is to ensure that City owned and Duke Energy maintained street lights are replaced within a 26-year useful life cycle. The project would reduce street light malfunctions and preserve the City's investment for this asset.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction				300,000	500,000	500,000	500,000	\$1,800,000
City Funds				300,000	500,000	500,000	500,000	\$1,800,000
Matching Funds								\$0
Total	0	0	0	300,000	500,000	500,000	500,000	\$1,800,000

Ohio River Trail - Lumber to Corbin**Dept. Priority:** 54

Description: This project would provide funding for the development of the Ohio River Trail from Lumber to Corbin. This segment is an extension of the new trail from Corbin to Stanley, connecting the Schmidt Ball Fields to the soccer fields next to St. Rose Church, in the East End Community. This project would provide funds for labor, materials, and technologies needed to plan, design, acquire right-of-way, build, and inspect the proposed improvements.

Purpose: The purpose of this project is to systematically construct the Ohio River Trail by extending the bike/hike trail at Lunken Airport toward downtown, adding transportation value, and supporting a City Council Motion.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other				100,000	50,000	50,000	50,000	\$250,000
City Funds	300,000	0		100,000	50,000	50,000	50,000	\$250,000
Matching Funds								\$0
Total	300,000	0	0	100,000	50,000	50,000	50,000	\$250,000

Clifton and M. L. King Intersection Imp.**Dept. Priority:** 49

Description: This project would provide funding for improvements to the intersection of Clifton Avenue and West Martin Luther King, Jr. Drive in Clifton near the University of Cincinnati. This project would provide funds for labor, materials, and technologies needed to plan, design, acquire right-of-way, build, and inspect the proposed improvements.

Purpose: The purpose of this project is to reduce the high accident rate at the intersection of Clifton Avenue and West Martin Luther King, Jr. Drive. This intersection has one of the highest accident rates in the City.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction					500,000	200,000		\$700,000
City Funds					500,000	200,000		\$700,000
Matching Funds								\$0
Total	0	0	0	0	500,000	200,000	0	\$700,000

General Aviation Fund**Airport Infrastructure Improvements****Dept. Priority:** 1

Description: This project would provide funding for improvements to the Airport that are not typically funded by the Federal Aviation Administration (FAA) or the Ohio Department of Transportation (ODOT) such as rubber removal, striping, airfield and way-finding signage, security improvements, vehicular parking lot improvements/expansion, Airport Road improvements, flood control improvements/repairs, and various airfield pavement/drainage repairs.

Purpose: The purpose of this project is to make improvements (airfield and non-airfield) to the Airport's infrastructure to ensure an operationally efficient and esthetically pleasing public airport. It would also allow the City to meet its commitment to the FAA to maintain a safe and secure facility.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other		140,000	140,000	140,000	140,000	140,000	140,000	\$840,000
City Funds	120,000	140,000	140,000	140,000	140,000	140,000	140,000	\$840,000
Matching Funds								\$0
Total	120,000	140,000	140,000	140,000	140,000	140,000	140,000	\$840,000

FAA/ODOT Local Match**Dept. Priority:** 2

Description: This project would designate an annual capital reserve in the General Aviation Fund to provide the matching funds for capital projects which involve Federal Aviation Administration (FAA) and Ohio Department of Transportation (ODOT) grant funding. This capital project would cover expenditures such as equipment, engineering, and construction items.

Purpose: The purpose of this project is to designate an annual capital reserve in the General Aviation Fund to provide the local matching funds required for FAA/ODOT approved projects, for projects unanticipated by General Aviation. This capital project would also fund expenditures associated with the preparation of ODOT/FAA grant applications and funding request documents (Annual FAA Airport Capital Improvement Program).

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other		170,000	180,000	190,000	200,000	200,000	200,000	\$1,140,000
City Funds	150,000	170,000	180,000	190,000	200,000	200,000	200,000	\$1,140,000
Matching Funds								\$0
Total	150,000	170,000	180,000	190,000	200,000	200,000	200,000	\$1,140,000

Facility Improvements**Dept. Priority:** 3**Description:**

This project would provide funding for roofing, plumbing, electrical, ADA wheelchair access, building code upgrades, and HVAC improvements, as well as window replacements at the Airport-owned facilities. The facilities include the Airport Administration Building, City-owned hangars, the Air Traffic Control Tower, and the Maintenance Shop. This capital project would cover expenditures such as equipment, engineering, and construction items. This project would consolidate the Lunken Administration and City Buildings Improvements project and the Lunken Air Traffic Control Tower Improvements project.

Purpose:

The purpose of this project is to make improvements to the Airport's facilities, not funded by the Federal Aviation Administration (FAA). These improvements will serve to preserve the facilities and reduce the operating expenses associated with deteriorated/inefficient facilities. It would also ensure that the facilities are brought up to current code standards.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other		150,000	160,000	165,000	170,000	189,800	210,400	\$1,045,200
City Funds	150,000	150,000	160,000	165,000	170,000	189,800	210,400	\$1,045,200
Matching Funds								\$0
Total	150,000	150,000	160,000	165,000	170,000	189,800	210,400	\$1,045,200

Noise Monitoring and Abatement**Dept. Priority:** 4**Description:**

This project would provide funding for the development of a noise monitoring and abatement program for Lunken Airport. Development of a noise monitoring and abatement program would require contractor assistance, a citizen involvement process, and acquisition of noise monitoring equipment and related software that would enable the City to analyze the aircraft noise from Lunken Airport's operations. Project funding would also be used to expand the "Air Scene" aircraft tracking system currently in operation at Lunken Airport.

Purpose:

The purpose of this project is to develop a noise monitoring and abatement program for Lunken Airport. The information and data collected would be used to determine appropriate and meaningful noise abatement measures and evaluate their effectiveness. Data from this system will be used to investigate noise complaints and to bill landing fees for transient aircraft using the airport facilities.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other		25,000	25,000	25,100	25,700	25,700	25,700	\$152,200
City Funds	50,000	25,000	25,000	25,100	25,700	25,700	25,700	\$152,200
Matching Funds								\$0
Total	50,000	25,000	25,000	25,100	25,700	25,700	25,700	\$152,200

Income Tax Transit Fund**Transit/Rail Corridor Preservation Acq.****Dept. Priority:** 1**Description:**

This project would provide funding for the acquisition of real property and/or property rights and related planning, environmental, consultant services, construction, and administrative costs in connection with the preservation and reuse of existing railroad corridors.

Purpose:

The purpose of this project is to assist the City and the region in meeting regulatory compliance related to federal air quality standards, enhance the City's transportation system, and assist with the acquisition and study of rail corridors for transportation purposes.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other		100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
City Funds	100,000	100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
Matching Funds								\$0
Total	100,000	100,000	100,000	100,000	100,000	100,000	100,000	\$600,000

Capital Improvement Plan - Water Works

<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Water Works Fund								
1	Replacement Water Mains	16,400,000	16,800,000	17,200,000	17,610,000	17,990,000	18,400,000	\$104,400,000
2	Meter Replacement Program	6,500,000						\$6,500,000
3	Filter Rebuild - Miller Plant	500,000	20,000	50,000	700,000	700,000		\$1,970,000
4	Valve Replacement Program	500,000	500,000	500,000	500,000	200,000	200,000	\$2,400,000
5	Ultraviolet Disinfection - Miller Plant	1,300,000	4,000,000	4,900,000	3,923,000	2,200,000	420,000	\$16,743,000
6	Regeneration Furnace Equipment	60,000	60,000	60,000	60,000	60,000	60,000	\$360,000
7	Projected Street Improvements	6,600,000	6,700,000	6,800,000	6,900,000	7,000,000	7,100,000	\$41,100,000
8	Rehabilitate Water Mains	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	\$9,000,000
9	Computers, Servers, and Software	157,000	253,000	233,000	267,000	274,000	281,000	\$1,465,000
10	New Water Mains	1,200,000	2,240,000	2,280,000	2,330,000	2,350,000	2,400,000	\$12,800,000
11	Projected Private Developments	300,000	350,000	350,000	400,000	400,000	400,000	\$2,200,000
12	Station Valve Equipment	90,000	90,000	90,000	90,000	90,000	90,000	\$540,000
13	Protective Relays - Summit & Winton	115,000						\$115,000
14	Banner System Upgrade	1,275,000			850,000	200,000		\$2,325,000
15	Third-Linn-Dalton	2,000,000	2,000,000					\$4,000,000
16	Budd-Eighth - Dalton to Evans	1,500,000	1,500,000					\$3,000,000
17	Blue Ash - Cooper	1,500,000	500,000					\$2,000,000
18	Evans - Gest to River	750,000						\$750,000
19	Rehab Filters at C. M. Bolton Plant	25,000	600,000	150,000				\$775,000
20	Clearwell Baffling - Bolton Plant	25,000	200,000					\$225,000
21	Wellhead Protection - Bolton Plant	75,000	25,000					\$100,000
23	Protective Relays - Eden Park	93,000						\$93,000
24	Paxton/Isabella-Obser.&Madison	200,000	1,740,000	1,540,000	100,000			\$3,580,000
25	Kennedy Avenue Pumps	20,000	80,000					\$100,000
26	Mt. Washington Tank Improvements	264,000						\$264,000
27	All Pipes Model	1,000,000	400,000					\$1,400,000
28	Casting/Street Rehab Projects	292,000	307,000	322,000	339,000	354,000	365,000	\$1,979,000
29	Montgomery - Cornell to Mason	1,000,000						\$1,000,000
31	Generator - Miller Plant - GAC	150,000						\$150,000
32	Wesselman - Zion Hill to N Buffalo Ridge	1,035,000	205,000					\$1,240,000
33	Summit/Reading-Section	760,000	40,000					\$800,000
34	Sutton Reservoir Improvements	209,000	175,000					\$384,000
35	Center Hill - Este to McGregor	500,000						\$500,000
36	Observatory - Edwards to Paxton	500,000	2,000,000	2,000,000	250,000			\$4,750,000
37	Reconfigure RMTP Entrance & Guard Shack	200,000	900,000	200,000				\$1,300,000
38	Elevator Controls and Safety Upgrades	200,000	100,000	100,000	200,000	100,000		\$700,000
39	Electrical Transformers	5,000	80,000	85,000	170,000	170,000	85,000	\$595,000
40	Main Station and Tennyson Pumps	118,000	754,000	458,000	500,000	300,000		\$2,130,000
41	H2O Radio - Large Meters	400,000	100,000					\$500,000
42	Greenhills Tank	18,000	2,634,400	672,000	183,000			\$3,507,400
43	Peach Grove Pump Station and Reservoir	17,000	500,000	1,557,000	770,000			\$2,844,000
44	HVAC System - Chester Park	90,000						\$90,000
45	Motor Control Center Equipment	75,000	60,000	60,000	60,000	60,000	180,000	\$495,000
46	Cross Connection Control System	70,000	5,000					\$75,000
47	AA Spectrophotometer	248,000						\$248,000
49	Hydrated Lime Feed System	30,000						\$30,000
50	Rechlorination Equipment - Dist. System	100,000						\$100,000
51	Pilot Plant/Filter	61,000						\$61,000
52	Chem East Water Wheel Equipment	125,000	125,000					\$250,000

Capital Improvement Plan - Water Works

<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Water Works Fund								
53	Montgomery Control Valves - Various	30,000	300,000					\$330,000
54	Sludge Flushing Pumps - Bolton Plant	75,000						\$75,000
55	Office Space Mechanic Shop	50,000						\$50,000
56	Bolton Washwater Discharge Line	30,000	300,000		400,000			\$730,000
57	SCADA Remote Site Communications	143,000	272,000	438,000				\$853,000
58	Battery, Charger, and DC Panel	50,000	50,000	50,000	50,000	50,000	50,000	\$300,000
59	Flowmeter Equipment Program	50,000						\$50,000
60	Fire Control Systems	50,000	50,000	50,000				\$150,000
61	River Station Raw Water Pumps	30,000	75,000					\$105,000
62	Filter Gallery Instrumentation Equipment	51,000						\$51,000
63	Ohio River Plant Roof	98,000	137,000					\$235,000
64	Furnace Control Rm Liebert Unit - GAC	26,500						\$26,500
65	Lamella Algaecide Feed System Storage	25,000						\$25,000
66	Main Street and US 42 - Mason Montgomery	400,000						\$400,000
67	Montgomery/Cooper-Pfeiffer	186,000	2,015,000	2,000,000	200,000			\$4,401,000
68	Chlorinator Equipment - Bolton Plant	20,000						\$20,000
69	Chemical Feed Tubing Pump - Constance	14,500						\$14,500
75	Misc. Concrete Pavement Replacement	150,000	150,000	150,000	150,000	150,000	150,000	\$900,000
81	Recycle Stream Modification	39,000						\$39,000
82	Coag Basin Sludge Pumps - Miller Plant	6,000	41,000					\$47,000
83	Wash Water Recovery Pumps	2,000	48,000					\$50,000
91	Continuous WQ Monitors - Dist. System	22,000	24,000	27,000				\$73,000
140	Misc. Masonry	75,000	75,000	75,000	75,000	75,000	75,000	\$450,000
30	Enterprise Asset Management System		2,400,000	2,450,000				\$4,850,000
48	Backup Power Generator - Eden Park		500,000	1,400,000	300,000			\$2,200,000
70	Call Center Equipment		500,000	2,000,000				\$2,500,000
73	Radio System for GCWW		400,000	400,000				\$800,000
74	Distribution System Monitoring Equipment		250,000	250,000	250,000	250,000	250,000	\$1,250,000
76	Future Water Treatment Plant Land		150,000	250,000	100,000			\$500,000
77	ECAM Hardware		500,000	50,000		550,000		\$1,100,000
80	Mobile Computing/Service Suite		500,000	1,100,000	1,350,000			\$2,950,000
93	Crane Equipment Improvements		100,000	100,000	100,000	50,000		\$350,000
95	Chester Park Complex Chiller		280,000					\$280,000
97	Reading - Dana		350,000	2,000,000	2,350,000			\$4,700,000
114	Filter Surface Wash Pump - Miller Plant		52,000					\$52,000
118	PeopleSoft Upgrade		250,000				275,000	\$525,000
123	Gas Chromatograph for THM Analysis		98,100					\$98,100
124	Gas Chromatograph		50,000					\$50,000
125	Lime Feeders - Bolton Plant		500,000					\$500,000
126	Secondary Basin Drive - Bolton Plant		200,000	500,000	300,000			\$1,000,000
127	SCADA Network Upgrade - Miller Plant		425,000					\$425,000
131	Carbon Transfer Pump - Miller Plant		2,000	48,000	2,000	48,000	2,000	\$102,000
141	Caustic Feed System - Miller Plant		78,000					\$78,000
142	Castle and Reading		100,000	1,200,000				\$1,300,000
147	Carbon Feed System - Chem West		50,000					\$50,000
148	Raw Water Reservoir Brick Rehabilitation		400,000	350,000	50,000			\$800,000
151	Well Pumps - Bolton Plant		81,500	80,000	80,000	80,000	80,000	\$401,500
153	Remote Facilities Operations Monitoring		15,000					\$15,000
176	Replace Six Single-Ply Roofs		41,000	250,000	79,000			\$370,000

Capital Improvement Plan - Water Works

<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Water Works Fund								
22	Eden Park Feeder 2 - Parsons Martin			250,000	986,000	1,300,000	664,000	\$3,200,000
78	Grandin - Madison to Edwards			350,000	1,800,000	1,500,000		\$3,650,000
85	Network Upgrade - Miller Treatment Plant			136,000				\$136,000
86	Filter to Waste Cycle			200,000	1,300,000			\$1,500,000
87	Contamination Warning System			200,000	200,000	200,000		\$600,000
96	Filter Water Pump - Miller Plant			150,000	850,000			\$1,000,000
103	Wade - Central Parkway to Laurel			575,000	1,425,000			\$2,000,000
117	Automatic Meter Reading Handheld Units			60,000				\$60,000
120	Curator Upgrade			300,000				\$300,000
133	Chem East Building Dehumidification			212,000				\$212,000
137	Potassium Permanganate Feed System			152,000				\$152,000
138	SCADA Remote Terminal Units			50,000	50,000	50,000		\$150,000
145	Analytical Data System Equipment			39,000			43,000	\$82,000
146	Cherry Grove Ground Reservoir Coating			125,000	445,000			\$570,000
149	Furnace Air Compressor - Miller Plant			6,000	44,000			\$50,000
152	Carbon Feed Equipment - Miller Plant			100,000				\$100,000
156	Snider and Socialville Foster			50,000	650,000			\$700,000
158	Cloverwood - Walnut - Fairway			445,000	100,000			\$545,000
159	Bolton Wellfield Expansion II			20,000	600,000	2,180,000		\$2,800,000
160	Remote Site Local/Automatic Controls			62,000	62,000			\$124,000
164	PID/Hall Detectors			35,000				\$35,000
171	Bethany Road and State Route 741			100,000	1,500,000	100,000		\$1,700,000
178	SCADA Communications Front End (CFE)			122,000				\$122,000
182	Eden Park Mirror Pool Painting			90,000				\$90,000
185	Miscellaneous Improvements			55,000	55,000	55,000	55,000	\$220,000
72	Backup Power Generator - Constance				300,000	870,000		\$1,170,000
79	Madison/Ridge-Isabella to Duck Creek				330,000	1,800,000	1,800,000	\$3,930,000
84	Network Upgrade - Chester Park Complex				250,000			\$250,000
88	Storage Area Network Equipment				41,000	300,000	300,000	\$641,000
89	Filter Aid Addition				75,000	925,000		\$1,000,000
100	Paddock - Reading to Tennessee				130,000	1,130,000	40,000	\$1,300,000
104	Paddock - Tennessee to Towanda				100,000	835,000	40,000	\$975,000
105	Madison - Woodburn to Observatory				100,000	1,300,000	50,000	\$1,450,000
106	Clifton - Woolper to Dixmyth				150,000	825,000	825,000	\$1,800,000
107	Pete Rose Way/Eggleston-Broadway				200,000	520,000	600,000	\$1,320,000
108	Montgomery-Galbraith to Cooper				300,000	1,500,000	475,000	\$2,275,000
109	Madison - Ridge to Whetsel				630,000	1,000,000		\$1,630,000
121	GCMS With Autosampler				104,000			\$104,000
122	Endocrine Disruptor Analysis Equipment				250,000			\$250,000
132	Maintenance Shop Construction				200,000	800,000	1,500,000	\$2,500,000
139	California Control HVAC System				80,000			\$80,000
144	Advanced Micro Monitor				100,000			\$100,000
150	Cherry Grove Elevated Tank Coating				150,000	175,000		\$325,000
157	Snider - Western Row to US42				50,000	600,000	50,000	\$700,000
163	Continuous GC - FID Detector				75,000			\$75,000
165	Dehumidification System - Miller Plant				300,000			\$300,000
172	Quailwood Farm Tank Property				30,000	300,000		\$330,000
174	Intercom Comm System - Bolton Plant				25,000			\$25,000
177	AutoCad GIS Database Integration				50,000			\$50,000

Capital Improvement Plan - Water Works

<u>Priority</u>	<u>Project Title</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012</u> <u>Total</u>
Water Works Fund								
181	Intake Pier Access Bridge Painting				200,000			\$200,000
183	Records Storage				25,000			\$25,000
184	Mason Water Main Replacements				500,000		550,000	\$1,050,000
98	Galbraith - Blue Ash to Montgomery					250,000	1,500,000	\$1,750,000
99	Sand Filter Valves - Miller Plant					200,000	609,000	\$809,000
110	McMillan and May Streets					200,000	1,400,000	\$1,600,000
115	Ferguson and Werk Roads					100,000	855,000	\$955,000
116	Bar Coding/RFID					285,000		\$285,000
128	Compartmentalize Winton Rd Reservoir					360,000	635,000	\$995,000
130	Variable Frequency Drive Technology					310,000		\$310,000
134	Brecon Tank Coating					165,000	175,000	\$340,000
135	Harrison/Wesselman-E River Rd					50,000	450,000	\$500,000
161	Innovation Way					30,000	300,000	\$330,000
162	Total Organic Carbon Analyzer					40,000		\$40,000
175	Parkside and Cox Smith					421,000		\$421,000
179	Delhi Water Tank Painting					350,000		\$350,000
180	Mt. Airy Exterior Renovation					300,000	3,000,000	\$3,300,000
71	Backup Power Generator - Western Hills						100,000	\$100,000
90	Backup Control Center - Miller Plant						200,000	\$200,000
92	Chemical Feed Equipment - Bolton Plant						225,000	\$225,000
94	Effluent Piping - Bolton Plant						100,000	\$100,000
101	Madison - Observatory to Isabella						150,000	\$150,000
102	Kennedy Heights Divider Wall						150,000	\$150,000
111	Madison - Whetsel to Plainville						100,000	\$100,000
112	Westwood-Harrison-Fillview-Hutchinson						200,000	\$200,000
113	McMillan and Woodburn						250,000	\$250,000
119	Meter Interface Units (MIU)						1,000,000	\$1,000,000
129	Chlorination Fac. Scrubber-Miller Plant						405,000	\$405,000
136	Mack Tank Interior Coating						305,000	\$305,000
143	Glenway - Grand to Ferguson						300,000	\$300,000
154	Roller Gate Hydraulic Sys - Miller Plant						75,000	\$75,000
155	SR 741- Bunnell to Bethany						50,000	\$50,000
166	Sodium Hexametaphosphate Feed Pumps						40,000	\$40,000
167	Cathodic Protection Sys - Bolton Plant						50,000	\$50,000
168	Tapered Screw Conveyor - Miller Plant						75,000	\$75,000
169	Remote Terminal Units (RTUs) Equipment						50,000	\$50,000
170	Bunnel Hill - SR741 to US42						200,000	\$200,000
173	Quailwood Farms Storage Tank - 1 MG						100,000	\$100,000
Water Works Total:		51,775,000	59,353,000	60,209,000	58,350,000	56,527,000	52,404,000	\$338,618,000
Department of Water Works Total:		51,775,000	59,353,000	60,209,000	58,350,000	56,527,000	52,404,000	\$338,618,000

Water Works Fund**Replacement Water Mains****Dept. Priority:** 1**Description:** This project would provide funding for the replacement of deteriorating water mains. Water mains in need of replacement are prioritized according to criteria such as age, poor water flow, maintenance problems, and poor water quality.**Purpose:** The purpose of this project is to replace deteriorated water mains. Water mains are replaced when they are no longer capable of furnishing reliable service to the customers.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		16,400,000	16,800,000	17,200,000	17,610,000	17,990,000	18,400,000	\$104,400,000
City Funds	14,500,000	16,400,000	16,800,000	17,200,000	17,610,000	17,990,000	18,400,000	\$104,400,000
Matching Funds								\$0
Total	14,500,000	16,400,000	16,800,000	17,200,000	17,610,000	17,990,000	18,400,000	\$104,400,000

Meter Replacement Program**Dept. Priority:** 2**Description:** This project would provide final year funding to replace over 211,000 water meters, the majority of which are beyond their recommended useful life. The replacements would be read from a vehicle by radio, without entry into customers' homes and businesses. Currently, entry into customers' homes for meter readings occurs 20% of the time. Estimated bills and billing adjustments resulting from estimated bills would be reduced to near zero.**Purpose:** The purpose of this project is to replace aging infrastructure (water meters), to reduce staff exposure to hazards, to reduce operating costs, to reduce billing discrepancies, and to improve customer service.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		6,450,000						\$6,450,000
Other		50,000						\$50,000
City Funds	9,000,000	6,500,000						\$6,500,000
Matching Funds								\$0
Total	9,000,000	6,500,000	0	0	0	0	0	\$6,500,000

Filter Rebuild - Miller Plant**Dept. Priority:** 3**Description:** This project would provide funding to rebuild filter equipment at the Richard Miller Treatment Plant.**Purpose:** The purpose of this project is to replace failing equipment on filters.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		500,000	20,000	50,000	700,000	700,000		\$1,970,000
City Funds	1,415,000	500,000	20,000	50,000	700,000	700,000		\$1,970,000
Matching Funds								\$0
Total	1,415,000	500,000	20,000	50,000	700,000	700,000	0	\$1,970,000

Valve Replacement Program**Dept. Priority:** 4**Description:** This project would provide funding to replace broken valves in the distribution system.**Purpose:** The purpose of this ongoing project is to replace broken valves in the distribution system. This project will lower service reductions by allowing shutdowns to encompass as small an area as possible. Water Works will therefore have better control of the water flow and be able to better serve customers.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		500,000	500,000	500,000	500,000	200,000	200,000	\$2,400,000
City Funds	400,000	500,000	500,000	500,000	500,000	200,000	200,000	\$2,400,000
Matching Funds								\$0
Total	400,000	500,000	500,000	500,000	500,000	200,000	200,000	\$2,400,000

Ultraviolet Disinfection - Miller Plant**Dept. Priority:** 5**Description:** This project would provide funding for ultraviolet treatment (UV) capability which would inactivate cryptosporidium and other waterborne disease causing microorganisms.**Purpose:** The purpose of this project is to provide ultraviolet treatment (UV) capability. Several emerging pathogens that are resistant to chlorine require inactivation processes such as ultraviolet treatment. The Long Term 2 Enhanced Surface Water Treatment Rule would require an additional disinfection treatment for cryptosporidium because chlorine is ineffective against cryptosporidium. UV treatment may reduce chlorine requirements, thus improving the taste and smell of the water.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		1,200,000	100,000		200,000			\$1,500,000
Construction			3,900,000	4,900,000	3,723,000	2,200,000	420,000	\$15,143,000
Equipment		100,000						\$100,000
City Funds		1,300,000	4,000,000	4,900,000	3,923,000	2,200,000	420,000	\$16,743,000
Matching Funds								\$0
Total	0	1,300,000	4,000,000	4,900,000	3,923,000	2,200,000	420,000	\$16,743,000

Regeneration Furnace Equipment**Dept. Priority:** 6**Description:** This project would provide funding for the purchase of miscellaneous furnace equipment that fails or needs replacement during the year.**Purpose:** The purpose of this project is to replace equipment, as needed, on the Granular Activated Carbon (GAC) Facility furnace. Due to the extreme heat, equipment on the furnace needs to be routinely replaced.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		60,000	60,000	60,000	60,000	60,000	60,000	\$360,000
City Funds	60,000	60,000	60,000	60,000	60,000	60,000	60,000	\$360,000
Matching Funds								\$0
Total	60,000	60,000	60,000	60,000	60,000	60,000	60,000	\$360,000

Projected Street Improvements

Dept. Priority: 7

Description: This project would provide funding to replace water mains when another jurisdiction is improving a street that would affect a water main.

Purpose: The purpose of this project is to replace water mains when another jurisdiction is improving a street that would affect a water main. When a street improvement is initiated by another political agency, the project is reviewed to see if any changes or additions to the existing water main are necessary.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		6,600,000	6,700,000	6,800,000	6,900,000	7,000,000	7,100,000	\$41,100,000
City Funds	6,500,000	6,600,000	6,700,000	6,800,000	6,900,000	7,000,000	7,100,000	\$41,100,000
Matching Funds								\$0
Total	6,500,000	6,600,000	6,700,000	6,800,000	6,900,000	7,000,000	7,100,000	\$41,100,000

Rehabilitate Water Mains

Dept. Priority: 8

Description: This project would provide funding to rehabilitate water mains that are deteriorating on the inside. These water mains would be cleaned and lined with cement.

Purpose: The purpose of of this project is to prolong the life of a deteriorating water main to avoid the total replacement of the water main.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	\$9,000,000
City Funds	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	\$9,000,000
Matching Funds								\$0
Total	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	\$9,000,000

Computers, Servers, and Software

Dept. Priority: 9

Description: This project would provide funding for the replacement of computers, servers, and software throughout Water Works.

Purpose: The purpose of this project is to provide systematic replacement of computers (five years or older), servers (seven years or older), and software (new and major version upgrades). It will also provide employees with the proper equipment to complete their jobs. Computers over 3 1/2 years often slow employee service provided to customers by slowing the response time, increasing maintenance costs by additional time spent on maintenance and repair, and increasing vendor agreement costs for equipment over 3 years old.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		157,000	253,000	233,000	267,000	274,000	281,000	\$1,465,000
City Funds		157,000	253,000	233,000	267,000	274,000	281,000	\$1,465,000
Matching Funds								\$0
Total	0	157,000	253,000	233,000	267,000	274,000	281,000	\$1,465,000

New Water Mains**Dept. Priority:** 10**Description:** This project would provide funding to install new water mains to the distribution system.**Purpose:** The purpose of this project is to install new water mains to the distribution system. Existing water mains in certain areas cannot support additional development. Service area expansion projections require installation of new water mains for adequate service.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		1,200,000	2,240,000	2,280,000	2,330,000	2,350,000	2,400,000	\$12,800,000
City Funds	1,200,000	1,200,000	2,240,000	2,280,000	2,330,000	2,350,000	2,400,000	\$12,800,000
Matching Funds								\$0
Total	1,200,000	1,200,000	2,240,000	2,280,000	2,330,000	2,350,000	2,400,000	\$12,800,000

Projected Private Developments**Dept. Priority:** 11**Description:** This project would provide funding for Water Works' participation in the construction of new water mains which would support development.**Purpose:** The purpose of this project is to support service enhancements and/or expansions to the water system.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		300,000	350,000	350,000	400,000	400,000	400,000	\$2,200,000
City Funds	150,000	300,000	350,000	350,000	400,000	400,000	400,000	\$2,200,000
Matching Funds								\$0
Total	150,000	300,000	350,000	350,000	400,000	400,000	400,000	\$2,200,000

Station Valve Equipment**Dept. Priority:** 12**Description:** This project would provide funding to replace valves in existing pump stations.**Purpose:** The purpose of this project is to replace valves in various pump stations on an emergency basis.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		90,000	90,000	90,000	90,000	90,000	90,000	\$540,000
City Funds	90,000	90,000	90,000	90,000	90,000	90,000	90,000	\$540,000
Matching Funds								\$0
Total	90,000	90,000	90,000	90,000	90,000	90,000	90,000	\$540,000

Protective Relays - Summit & Winton**Dept. Priority:** 13**Description:** This project would provide funding for the replacement and upgrade of electric equipment panels containing feeder protection devices, energy usage measurement devices, switches, and indicators at Summit and Winton.**Purpose:** The purpose of this project is to upgrade the electrical system infrastructure to ensure reliable system operation as specified in the Black and Veatch Backup Power System Report. The protective relay project at these locations includes the replacement of original (over 44 years old) electromechanical relays and power measuring devices with solid state devices.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		5,000						\$5,000
Equipment		110,000						\$110,000
City Funds		115,000						\$115,000
Matching Funds								\$0
Total	0	115,000	0	0	0	0	0	\$115,000

Banner System Upgrade**Dept. Priority:** 14**Description:** This project would provide funding for the BANNER Customer Information System (CIS) software application upgrade to the next release.**Purpose:** The purpose of this project is to upgrade the BANNER Customer Information System software application. Water Works has two BANNER CIS databases and systems running. One BANNER CIS is for Butler County and the other is for Water Works, the Metropolitan Sewer District, and other billing customers. The current version of BANNER CIS was desupported as of April 2005 and a new version of BANNER has been released. BANNER is the main billing, payment, and customer service engine. The upgrade will provide Water Works with a robust, state of the art, supported billing system. The costs include new hardware and software platforms along with project management, conversion, and training that will be required to run new technologies.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		1,275,000			850,000	200,000		\$2,325,000
City Funds		1,275,000			850,000	200,000		\$2,325,000
Matching Funds								\$0
Total	0	1,275,000	0	0	850,000	200,000	0	\$2,325,000

Third-Linn-Dalton**Dept. Priority:** 15**Description:** This project would provide funding for the Third-Linn-Dalton A 42 inch water main Phase I of the master plan. This is the primary supply for Northern Kentucky and a backup to Western Hills.**Purpose:** The purpose of this project is to allow Water Works to supply sufficient flows and pressures to Northern Kentucky without impacting existing customers through 2020. This project also will improve fire supply and better sustaining pressures for both Constance and Western Hills pump stations. This project will reduce system wide pressure and flow complaints.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		2,000,000	2,000,000					\$4,000,000
City Funds		2,000,000	2,000,000					\$4,000,000
Matching Funds								\$0
Total	0	2,000,000	2,000,000	0	0	0	0	\$4,000,000

Budd-Eighth - Dalton to Evans**Dept. Priority:** 16**Description:** This project would provide funding for the Budd - Eighth - Dalton to Evans - 42 inch water main to supply Northern Kentucky and Western Hills.**Purpose:** The purpose of this project is to allow Water Works to supply sufficient flows and pressures to Northern Kentucky without impacting existing customers through 2020. This project will also improve fire supply and better sustaining pressures for both Constance and Western Hills pump stations. This project will reduce system wide pressure and flow complaints.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		1,500,000	1,500,000					\$3,000,000
City Funds		1,500,000	1,500,000					\$3,000,000
Matching Funds								\$0
Total	0	1,500,000	1,500,000	0	0	0	0	\$3,000,000

Blue Ash - Cooper**Dept. Priority:** 17**Description:** This project would provide funding for the Blue Ash Road - Cooper 36 inch water main to strengthen supply in Brecon and to support water supply to the Warren and Mason areas.**Purpose:** This purpose of this project is to strengthen the transmission water system in Brecon for the Blue Ash Tank and southern portions of the Brecon service area. The main allows Cornell to better supply the northern portion of Brecon along with the expansion areas in Warren and Mason.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		1,500,000	500,000					\$2,000,000
City Funds		1,500,000	500,000					\$2,000,000
Matching Funds								\$0
Total	0	1,500,000	500,000	0	0	0	0	\$2,000,000

Evans - Gest to River**Dept. Priority:** 18**Description:** This project would provide funding for a 42 inch water main on Evans from Gest to River.**Purpose:** The purpose of this project is to allow Water Works to supply sufficient flows and pressures to Northern Kentucky without impacting existing customers through 2020. This project will also improve fire supply and better sustaining pressures for both Constance and Western Hills pump stations. This project will reduce system wide pressure and flow complaints. Existing infrastructure is over stressed and cannot sustain expected Northern Kentucky demands much longer.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		750,000						\$750,000
City Funds		750,000						\$750,000
Matching Funds								\$0
Total	0	750,000	0	0	0	0	0	\$750,000

Rehab Filters at C. M. Bolton Plant**Dept. Priority:** 19**Description:** This project would provide funding for the rehabilitation of the Bolton pilot plant filter columns to evaluate filter media replacement.**Purpose:** The purpose of this project is to rehab the Bolton pilot plant filter columns. The filter media is over 30 years old and is approaching its useful life. Periodically observed turbidity spikes in filter effluent. Without the rehabbing, the reliability of the filtration process may be jeopardized.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		25,000						\$25,000
Construction			600,000	150,000				\$750,000
City Funds		25,000	600,000	150,000				\$775,000
Matching Funds								\$0
Total	0	25,000	600,000	150,000	0	0	0	\$775,000

Clearwell Baffling - Bolton Plant**Dept. Priority:** 20**Description:** This project would provide funding for the installation of baffles in existing clearwells at the Bolton Plant.**Purpose:** The purpose of this project is to increase contact time of the water to the chlorine as required by the enhanced water treatment rule.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		25,000						\$25,000
Construction			200,000					\$200,000
City Funds		25,000	200,000					\$225,000
Matching Funds								\$0
Total	0	25,000	200,000	0	0	0	0	\$225,000

Wellhead Protection - Bolton Plant**Dept. Priority:** 21**Description:** This project would provide funding for the construction of wellhead protection monitoring wells for the Bolton Well Field under the general direction of the Hamilton to New Baltimore Ground Water Consortium.**Purpose:** The purpose of this project is to provide for ground water protection at the Bolton Plant.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction			25,000					\$25,000
Equipment		75,000						\$75,000
City Funds		75,000	25,000					\$100,000
Matching Funds								\$0
Total	0	75,000	25,000	0	0	0	0	\$100,000

Protective Relays - Eden Park**Dept. Priority:** 23**Description:** This project would provide funding for the replacement of electrical equipment panels containing feeder protection devices, energy usage measurement devices, switches, and indicators for the Eden Park Pump Station.**Purpose:** The purpose of this project is to upgrade electro-mechanical devices where failures are increasing and replacements are no longer available.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		93,000						\$93,000
City Funds		93,000						\$93,000
Matching Funds								\$0
Total	0	93,000	0	0	0	0	0	\$93,000

Paxton/Isabella-Obser.&Madison**Dept. Priority:** 24**Description:** This project would provide funding to install 5,500 feet of 48 inch water main in Paxton Avenue from Observatory Avenue to Isabella Avenue and in Isabella Avenue from Paxton Avenue to Madison Avenue.**Purpose:** The purpose of this project is to install a new water main for adequate service. The existing water system in this area cannot support additional development. Service area expansion projections require installation of new water mains for adequate service.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		200,000	1,740,000	1,540,000	100,000			\$3,580,000
City Funds		200,000	1,740,000	1,540,000	100,000			\$3,580,000
Matching Funds								\$0
Total	0	200,000	1,740,000	1,540,000	100,000	0	0	\$3,580,000

Kennedy Avenue Pumps**Dept. Priority:** 25**Description:** This project would provide funding for the replacement of existing pumps, motors, controls, and/or impellers at the Kennedy Avenue Pump Station to improve overall efficiency.**Purpose:** The purpose of this project is to improve the energy efficiency of pumping equipment.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		20,000	80,000					\$100,000
City Funds		20,000	80,000					\$100,000
Matching Funds								\$0
Total	0	20,000	80,000	0	0	0	0	\$100,000

Mt. Washington Tank Improvements

Dept. Priority: 26

Description: This project would provide funding for interior and exterior coating replacements and ladder and ladder cage safety upgrades at the Mt. Washington Tank.

Purpose: The purpose of this project is for improvements to the Mt. Washington Tank. The 2002 Tank Industry Consultant Condition Assessment survey of all Greater Cincinnati Water Works (GCWW) steel tanks identified that the Mt. Washington Tank needed recoating of the interior and exterior and safety upgrades on ladders, cages, etc., to bring it up to current OSHA standards.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other		264,000						\$264,000
City Funds	305,000	264,000						\$264,000
Matching Funds								\$0
Total	305,000	264,000	0	0	0	0	0	\$264,000

All Pipes Model

Dept. Priority: 27

Description: This project would provide funding for an all pipes model and master plan update.

Purpose: The purpose of this project is for an all pipes model and master plan update. This project would build all pipes models and analyze the water system as to hydraulic and water quality for planning, operation, and water quality purposes. This project would also update the current long range master plan for design years 2010 and 2020. The model is the basis for the overall Capital Improvement Program (CIP) planning to enable Water Works to better provide and serve water to customers today, tomorrow, and in the future. This project will help analyze, determine, and prioritize all capital infrastructure needs for the entire water system, including all piping, tanks, and pumping facilities as may be required based on water demands.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		1,000,000	400,000					\$1,400,000
City Funds		1,000,000	400,000					\$1,400,000
Matching Funds								\$0
Total	0	1,000,000	400,000	0	0	0	0	\$1,400,000

Casting/Street Rehab Projects

Dept. Priority: 28

Description: This project would provide funding for the installation of new water main castings in conjunction with the Department of Transportation and Engineering's Street Rehabilitation Program.

Purpose: The purpose of this project is to install water main castings during street rehabilitation projects.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		292,000	307,000	322,000	339,000	354,000	365,000	\$1,979,000
City Funds	278,000	292,000	307,000	322,000	339,000	354,000	365,000	\$1,979,000
Matching Funds								\$0
Total	278,000	292,000	307,000	322,000	339,000	354,000	365,000	\$1,979,000

Montgomery - Cornell to Mason**Dept. Priority:** 29**Description:** This project would provide funding for a Montgomery Road - 42 inch water main to supply the Warren and Mason areas.**Purpose:** The purpose of this project is to install a 42 inch water main to supply the Warren and Mason areas. This transmission water main provides the second source supply for the entire Warren County and City of Mason areas. This improvement is needed due to the recent idling of the Mason water treatment plant. The project reduces vulnerability and provides better redundancy from a system wide perspective. It supplies the two critical pump stations for Mason and Warren, Socialville Foster and Irwin Simpson.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		1,000,000						\$1,000,000
City Funds		1,000,000						\$1,000,000
Matching Funds								\$0
Total	0	1,000,000	0	0	0	0	0	\$1,000,000

Generator - Miller Plant - GAC**Dept. Priority:** 31**Description:** This project would provide funding to replace the existing 200KW generator at the Granulated Activated Carbon Building (GAC).**Purpose:** The purpose of this project is to replace the existing 200KW generator located at the Granulated Activated Carbon Building with a generator that is approximately double the size of the existing one. If a full station outage were to occur, the GAC generator could not maintain all the current connected load.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		150,000						\$150,000
City Funds		150,000						\$150,000
Matching Funds								\$0
Total	0	150,000	0	0	0	0	0	\$150,000

Wesselman - Zion Hill to N Buffalo Ridge**Dept. Priority:** 32**Description:** This project would provide funding for a 16 inch water main in Wesselman Road in Green and Miami Townships.**Purpose:** The purpose of this project is to install a 16 inch water main in Wesselman Road. This transmission water main is part of the Greater Cincinnati Water Works overall master plan to supply water from the Bolton Plant to areas south of I-74.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		1,035,000	205,000					\$1,240,000
City Funds	205,000	1,035,000	205,000					\$1,240,000
Matching Funds								\$0
Total	205,000	1,035,000	205,000	0	0	0	0	\$1,240,000

Summit/Reading-Section

Dept. Priority: 33

Description: This project would provide funding for the installation of a 16 inch water main in Summit Road from Reading Road to Section Road.

Purpose: The purpose of this project is to improve the transmission of water in the Eastern Hills service area.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		5,000						\$5,000
Construction		755,000	40,000					\$795,000
City Funds	100,000	760,000	40,000					\$800,000
Matching Funds								\$0
Total	100,000	760,000	40,000	0	0	0	0	\$800,000

Sutton Reservoir Improvements

Dept. Priority: 34

Description: This project would provide funding for interior concrete repair and exterior coating of the Sutton Reservoir.

Purpose: The purpose of this project is for improvements to the Sutton Reservoir. In 2004 Black & Veatch performed an audit of all of the system's buried and ground level reservoirs. Sutton Reservoir was identified as the highest priority reservoir for repairs to the concrete structure. The infiltration of water into the reservoir through the cracks in the concrete is a possibility.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other		209,000	175,000					\$384,000
City Funds	220,000	209,000	175,000					\$384,000
Matching Funds								\$0
Total	220,000	209,000	175,000	0	0	0	0	\$384,000

Center Hill - Este to McGregor

Dept. Priority: 35

Description: This project would provide funding for a water main rehabilitation project at Center Hill from Este Avenue to McGregor Street. This is a transmission upgrade from a 24 inch water main to a 36 inch water main to better support the northern Eastern Hills, TriCounty, and Butler County wholesale supply.

Purpose: The purpose of this water main upgrade is to eliminate a bottle neck in the transmission supply of water from the Winton Road Reservoir to the Eastern Hills area and Butler County. This project is aligned with a proposed Department of Transportation and Engineering (DOTE) bridge replacement and will be scheduled at the same time.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		500,000						\$500,000
City Funds		500,000						\$500,000
Matching Funds								\$0
Total	0	500,000	0	0	0	0	0	\$500,000

Observatory - Edwards to Paxton**Dept. Priority:** 36**Description:** This project would provide funding to install 2,700 feet of 48 inch water main in Observatory Avenue from Edwards Road to Paxton Avenue.**Purpose:** The purpose of this project is to install a new water main for adequate service. The existing water system in this area cannot support additional development. Service area expansion projections require installation of new water mains for adequate service.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		500,000	2,000,000	2,000,000				\$4,500,000
Construction					250,000			\$250,000
City Funds	40,000	500,000	2,000,000	2,000,000	250,000			\$4,750,000
Matching Funds								\$0
Total	40,000	500,000	2,000,000	2,000,000	250,000	0	0	\$4,750,000

Reconfigure RMTP Entrance & Guard Shack**Dept. Priority:** 37**Description:** This project would provide funding to reconfigure the Richard Miller Treatment Plant (RMTP) entrance and guard shack.**Purpose:** The purpose of this project is to reconfigure the fencing and the guard shack at the Richard Miller Treatment Plant in order for delivery trucks to make deliveries without entering the property. The guard shack was never designed to handle all the security equipment currently in it. There is a need to better control delivery trucks on the site.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		200,000	50,000					\$250,000
Construction			850,000	200,000				\$1,050,000
City Funds		200,000	900,000	200,000				\$1,300,000
Matching Funds								\$0
Total	0	200,000	900,000	200,000	0	0	0	\$1,300,000

Elevator Controls and Safety Upgrades**Dept. Priority:** 38**Description:** This project would provide funding to replace elevator controls and install required safety upgrades to various elevators.**Purpose:** The purpose of this project is to replace elevator controls and install required safety upgrades to various elevators. The elevator controls are original equipment, in older facilities, installed between 1950 and 1978. They are antiquated and require numerous repairs. Replacement controls and upgrade to current safety requirements will mean continuous safe operation for these elevators. The project includes improvements at the following locations: 2007 - Ohio River Plant \$200,000; 2008 - Bolton \$100,000; 2009 - River Station \$100,000; 2010 - Chem East \$200,000; and 2011 - Chester Park Complex \$100,000.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		200,000	100,000	100,000	200,000	100,000		\$700,000
City Funds		200,000	100,000	100,000	200,000	100,000		\$700,000
Matching Funds								\$0
Total	0	200,000	100,000	100,000	200,000	100,000	0	\$700,000

Electrical Transformers**Dept. Priority:** 39**Description:** This project would provide funding to upgrade the primary electrical transformers at mission critical facilities.**Purpose:**

The purpose of this project is to upgrade the primary electrical transformers at mission critical facilities. The transformers are more than 50 years old, but should remain serviceable and have extended life with these upgrades. Failure of these transformers would result in a complete facility outage. The project includes upgrades at the following locations: 2008 - Tennyson #1 \$85,000; 2009 - Tennyson #2 \$85,000; 2010 - Main Station #1 \$170,000; 2011 - Main Station #2 \$85,000 & Richard Miller Treatment Plant Electric Substation #1 \$85,000; and 2012 - Richard Miller Treatment Plant Electric Substation #2 \$85,000.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		5,000	80,000	85,000	170,000	170,000	85,000	\$595,000
City Funds		5,000	80,000	85,000	170,000	170,000	85,000	\$595,000
Matching Funds								\$0
Total	0	5,000	80,000	85,000	170,000	170,000	85,000	\$595,000

Main Station and Tennyson Pumps**Dept. Priority:** 40**Description:** This project would provide funding for a preliminary engineering study to upgrade the Main and Tennyson pumping stations.**Purpose:**

The purpose of this project is to provide for a preliminary engineering study to upgrade the Main and Tennyson pumping stations. This project is designed to evaluate the ability of the tunnels from the Miller Plant to deliver water to the Main and Tennyson pumping stations. Recently actual operating conditions have shown that there may be a capacity problem with the tunnels and therefore regardless of the amount of water produced at the Miller Plant there will not be the ability to move the water out into the system using the Main or Tennyson pumping stations.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		118,000	202,000					\$320,000
Construction			552,000	458,000	500,000	300,000		\$1,810,000
City Funds		118,000	754,000	458,000	500,000	300,000		\$2,130,000
Matching Funds								\$0
Total	0	118,000	754,000	458,000	500,000	300,000	0	\$2,130,000

H2O Radio - Large Meters**Dept. Priority:** 41**Description:** This project would provide funding to upgrade all monthly account meters with H2O Radio Meter Interface Units.**Purpose:**

The purpose of this project is to upgrade all monthly account meters with H2O Radio Meter Interface Units. The H2O Radio allows Water Works to read and bill more efficiently and safely. Water Works' 2,300 monthly customers are commercial and industrial customers who receive monthly bills due to the volume of water consumed. These customers account for approximately 60% of Water Works' revenue. Upgrading these monthly account meters to the automatic meter reading system will allow Water Works to completely reduce the meter reading staff, read meters in a safer and more efficient method, and bill in a timely manner.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		400,000	100,000					\$500,000
City Funds		400,000	100,000					\$500,000
Matching Funds								\$0
Total	0	400,000	100,000	0	0	0	0	\$500,000

Greenhills Tank**Dept. Priority:** 42**Description:** This project would provide funding for the design and construction of a 2 MG elevated storage tank.**Purpose:** The purpose of this project is to contractually provide additional water in an expanding area. The construction of this tank will enable Greater Cincinnati Water Works (GCWW) to serve Butler County as part of a new agreement. The payback of this asset is built into the water rate charged to Butler County. Construction of this tank by July 2010 is a contractual obligation with Butler County.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		18,000	132,000					\$150,000
Construction			2,502,400	672,000	183,000			\$3,357,400
City Funds	76,000	18,000	2,634,400	672,000	183,000			\$3,507,400
Matching Funds								\$0
Total	76,000	18,000	2,634,400	672,000	183,000	0	0	\$3,507,400

Peach Grove Pump Station and Reservoir**Dept. Priority:** 43**Description:** This project would provide funding for the design and construction of a 6 MG pump station and a 3 MG reservoir on Springdale Road in Colerain Township.**Purpose:** The purpose of this project is to provide a pump station and reservoir which are needed to supply additional water to a growing area. This project will improve water pressure in the Western Hills system. The Master Plan indicated that additional storage and pressure would be required in this area and recommends completion by 2010.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		17,000						\$17,000
Construction			500,000	1,557,000	770,000			\$2,827,000
City Funds	40,000	17,000	500,000	1,557,000	770,000			\$2,844,000
Matching Funds								\$0
Total	40,000	17,000	500,000	1,557,000	770,000	0	0	\$2,844,000

HVAC System - Chester Park**Dept. Priority:** 44**Description:** This project would provide funding for Heating and Air Conditioning (HVAC) software and system upgrades at the Chester Park Complex (CPC).**Purpose:** The purpose of this project is to perform HVAC software and system upgrades at the Chester Park Complex. The remodeling of the new Engineering wing, and the installed HVAC system, have made it necessary to rebalance the system by adding or modifying components. This project will conduct an air balance study throughout the Chester Park Complex and add new equipment to correct problems (hot/cold areas). Also included in this project will be upgrading the HVAC software and providing training for the maintenance personnel. Operating manuals will be updated to reflect the changes.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		90,000						\$90,000
City Funds	10,000	90,000						\$90,000
Matching Funds								\$0
Total	10,000	90,000	0	0	0	0	0	\$90,000

Motor Control Center Equipment**Dept. Priority:** 45**Description:** This project would provide funding to upgrade motor control centers at older Water Works' facilities.**Purpose:**

The purpose of this project is to upgrade existing motor control centers (MCC) with modern technology controls and monitors, resulting in readily available replacement components. The existing motor control centers are older and are beginning to require more repairs. The repairs are getting more difficult due to the lack of the availability of spare parts. The project will address equipment as follows: 2007 - Cherry Grove MCC \$25,000 and Ohio River Plant Load Center #1&2 \$50,000; 2008 - Ohio River Plant MCC #1,2,3 \$60,000; 2009 - Richard Miller Treatment Plant (RMTP) Indoor SubStation (IDSS) Dist. #1,2,3 \$60,000; 2010 - RMTP IDSS Dist #1,2,3 \$60,000; 2011 - RMTP IDSS MCC East and West, Dist #4 \$60,000; and 2012 - Charles M. Bolton (CMBP) Plant MCC B-1,2,3 \$180,000.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		75,000	60,000	60,000	60,000	60,000	180,000	\$495,000
City Funds		75,000	60,000	60,000	60,000	60,000	180,000	\$495,000
Matching Funds								\$0
Total	0	75,000	60,000	60,000	60,000	60,000	180,000	\$495,000

Cross Connection Control System**Dept. Priority:** 46**Description:** This project would provide funding for the replacement of Water Works' Cross Connection Control Program Paradox database.**Purpose:**

The purpose of this project is to replace the Water Works' Cross Connection Control Program Paradox database. The Ohio Revised Code Section 6109.13, the Ohio Adm. Code 3745-95, and the Ohio Environmental Protection Agency (OEPA) all require protection of the public water system from contamination through connection. The City of Cincinnati ordinance requires Water Works to maintain data containing information on location, type, size, and test results of all backflow preventers installed on the system. This program is one of Water Works' functions examined annually during the OEPA Sanitary Survey. The current program is not integrated with current Water Works' applications. This new program will interface with other applications and provide quick responses to customers concerning backflow issues in addition to maintaining regulatory compliance.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		70,000	5,000					\$75,000
City Funds		70,000	5,000					\$75,000
Matching Funds								\$0
Total	0	70,000	5,000	0	0	0	0	\$75,000

AA Spectrophotometer**Dept. Priority:** 47**Description:** This project would provide funding for the purchase of a new atomic adsorption spectrophotometer.**Purpose:**

The purpose of this project is to allow for the replacement of equipment needed for lead and copper analyses, which are required for regulatory compliance.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		248,000						\$248,000
City Funds		248,000						\$248,000
Matching Funds								\$0
Total	0	248,000	0	0	0	0	0	\$248,000

Hydrated Lime Feed System**Dept. Priority:** 49**Description:** This project would provide funding for the installation of a hydrated lime feed system.**Purpose:** The purpose of this project is to install a hydrated lime feed system. This project involves multiple tasks that would ultimately lead to the installation of a hydrated lime feed system to adjust the finished water pH without using sodium hydroxide. The tasks include feasibility, design, and construction.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		30,000						\$30,000
City Funds		30,000						\$30,000
Matching Funds								\$0
Total	0	30,000	0	0	0	0	0	\$30,000

Rechlorination Equipment - Dist. System**Dept. Priority:** 50**Description:** This project would provide funding for the installation of permanent rechlorination equipment.**Purpose:** The purpose of this project is to install permanent rechlorination equipment at water storage facilities which show excess consumption of free chlorine residual in the distribution system.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		100,000						\$100,000
City Funds		100,000						\$100,000
Matching Funds								\$0
Total	0	100,000	0	0	0	0	0	\$100,000

Pilot Plant/Filter**Dept. Priority:** 51**Description:** This project would provide funding for the design and construction of a pilot plant to simulate the Bolton softening facility.**Purpose:** The purpose of this project is to design and construct a pilot plant to simulate the Bolton softening facility. The pilot plant will allow the modeling of the treatment system to evaluate high rating, use of coagulants and disinfection by-product control.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		61,000						\$61,000
City Funds		61,000						\$61,000
Matching Funds								\$0
Total	0	61,000	0	0	0	0	0	\$61,000

Chem East Water Wheel Equipment**Dept. Priority:** 52**Description:** This project would provide funding to replace hydraulic controls of two water wheels.**Purpose:**

The purpose of this project is to replace the hydraulic controls of the two water wheels and turbines at Chemical House East. They are critical to controlling the rate of flow from the reservoirs into the Richard Miller Treatment Plant (RMTP) and to provide power generation. The water wheels must operate 24/7 and the upgrades will provide continued reliability. The wheels were installed in 1937 and upgraded in 1963.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		125,000	125,000					\$250,000
City Funds		125,000	125,000					\$250,000
Matching Funds								\$0
Total	0	125,000	125,000	0	0	0	0	\$250,000

Montgomery Control Valves - Various**Dept. Priority:** 53

Description: This project would provide funding for the installation of seven Montgomery Control Valves. The seven control check valves will allow water to be pumped north from the Kennedy Pump Station while checking water to not allow water to be pumped south generally across Cornell Road, in alignment from the Cornell Road pumping station. The check valves will allow the Cornell and Kennedy Pump Stations to more effectively work together due to higher demands from Brecon, to the Warren and Mason areas in the north.

Purpose:

The purpose of this project is to provide seven control check valves to allow water to be pumped north from Kennedy Pump Station while checking water to not allow water to be pumped south generally across Cornell Road, in alignment from the Cornell Road pumping station. The check valves will allow the Cornell and Kennedy Pump Stations to more effectively work together due to higher demands from Brecon, to the Warren and Mason areas in the north.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		30,000						\$30,000
Construction			300,000					\$300,000
City Funds		30,000	300,000					\$330,000
Matching Funds								\$0
Total	0	30,000	300,000	0	0	0	0	\$330,000

Sludge Flushing Pumps - Bolton Plant**Dept. Priority:** 54**Description:** This project would provide funding to upgrade the sludge flushing pumps at the Charles M. Bolton Plant (CMBP).**Purpose:**

The purpose of this project is to upgrade the sludge flushing pumps at the Charles M. Bolton Plant. The two pumps provide flushing water through the sludge blowdown lines after every blowdown. The operation is critical to prevent sludge from clogging the pipelines leading to the lagoons.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		1,500						\$1,500
Equipment		73,500						\$73,500
City Funds		75,000						\$75,000
Matching Funds								\$0
Total	0	75,000	0	0	0	0	0	\$75,000

Office Space Mechanic Shop**Dept. Priority:** 55**Description:** This project would provide funding for reconfiguring the mechanic shop space.**Purpose:**

The purpose of this project is to reconfigure the mechanic shop space by adding two modular partition offices with heat and air conditioning, including electrical and plumbing work and office furniture and shelving. These enclosures will reduce dust and dirt accumulation, reduce failure, and extend the life of all associated office equipment, including computers. This enclosed work space will also separate a portion of the combustible paperwork and books from potential ignition sources. It will contribute to a safer, more friendly and ergonomic work space.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		50,000						\$50,000
City Funds		50,000						\$50,000
Matching Funds								\$0
Total	0	50,000	0	0	0	0	0	\$50,000

Bolton Washwater Discharge Line**Dept. Priority:** 56**Description:** This project would provide funding to replace the washwater discharge line at the Bolton Treatment Plant.**Purpose:**

The purpose of this project is to prevent the failure and improve the efficiency of the washwater process.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		30,000						\$30,000
Construction			300,000		400,000			\$700,000
City Funds		30,000	300,000		400,000			\$730,000
Matching Funds								\$0
Total	0	30,000	300,000	0	400,000	0	0	\$730,000

SCADA Remote Site Communications**Dept. Priority:** 57**Description:** This project would provide funding for a SCADA communications system upgrade for remote sites.**Purpose:**

The purpose of this project is for the upgrade of the SCADA communications system for remote sites. Enhancing remote communications is the foundation upon which all future SCADA improvements will be built. In order to extend the service area, improve security, increase optimization through additional automation, and expand levels of customer service due to improved real-time information and capabilities, the medium that GCWW uses for its SCADA communications needs to be enhanced.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		143,000	272,000	438,000				\$853,000
City Funds	94,000	143,000	272,000	438,000				\$853,000
Matching Funds								\$0
Total	94,000	143,000	272,000	438,000	0	0	0	\$853,000

Battery, Charger, and DC Panel**Dept. Priority:** 58**Description:** This project would provide funding to replace batteries, chargers, and DC control panels.**Purpose:**

The purpose of this project is for replacement batteries, chargers, and DC control panels for the continuous operation of the DC control system which is vital to the operations of facilities. This project will allocate \$50,000 each year. The following facilities have been identified for the allocation: Ohio River Plant in 2007, Main Station in 2008, Tennyson in 2009, Richard Miller Treatment Plant Electrical SubStation in 2010, Western Hills pumping station in 2011, and the Mt. Washington pumping station in 2012.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		50,000	50,000	50,000	50,000	50,000	50,000	\$300,000
City Funds		50,000	50,000	50,000	50,000	50,000	50,000	\$300,000
Matching Funds								\$0
Total	0	50,000	50,000	50,000	50,000	50,000	50,000	\$300,000

Flowmeter Equipment Program**Dept. Priority:** 59**Description:** This project would provide funding to upgrade flow measuring equipment at locations where the water loss report indicates problems.**Purpose:**

The purpose of this project is to upgrade flow measuring equipment at the Mt. Washington Pumping Station and the California Pumping Station. At these two locations, the water loss report indicates a concern over the accuracy of flowmeters. Installation of this equipment will allow Water Works to accurately perform a wire to water efficiency test on the pumps at these locations.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		6,000						\$6,000
Equipment		44,000						\$44,000
City Funds		50,000						\$50,000
Matching Funds								\$0
Total	0	50,000	0	0	0	0	0	\$50,000

Fire Control Systems**Dept. Priority:** 60**Description:** This project would provide funding to upgrade the fire control and communication panels at various facilities.**Purpose:**

The purpose of this project is to upgrade fire control and communication panels at various facilities to replace outdated equipment and meet current codes. The upgraded fire control and communication panels will be helpful with the interface to the new security systems.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		50,000	50,000	50,000				\$150,000
City Funds		50,000	50,000	50,000				\$150,000
Matching Funds								\$0
Total	0	50,000	50,000	50,000	0	0	0	\$150,000

River Station Raw Water Pumps**Dept. Priority:** 61**Description:** This project would provide funding to replace two of the vertical raw water pumps at River Station.**Purpose:** The purpose of this project is to replace two of the four raw water pumps that are 15 years old and showing wear due to the river sediment. In order to have sufficient raw water pumping during the summer months, two pumps must be replaced. The existing pump motors and controls will be reused.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		2,000						\$2,000
Equipment		28,000	75,000					\$103,000
City Funds		30,000	75,000					\$105,000
Matching Funds								\$0
Total	0	30,000	75,000	0	0	0	0	\$105,000

Filter Gallery Instrumentation Equipment**Dept. Priority:** 62**Description:** This project would provide funding for the sand filter gallery instrumentation upgrade.**Purpose:** The purpose of this project is to upgrade the effluent flow transmitters and the flow and loss of head digital displays on A and B side sand filters.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		51,000						\$51,000
City Funds	49,000	51,000						\$51,000
Matching Funds								\$0
Total	49,000	51,000	0	0	0	0	0	\$51,000

Ohio River Plant Roof**Dept. Priority:** 63**Description:** This project would provide funding to remove the existing single-ply roofing system and replace it with a built up roofing system at the Ohio River Plant.**Purpose:** The purpose of this project is to replace the roofing system at the Ohio River Plant. The existing single-ply roof was installed 20 years ago and is starting to require repair. Typically, failures with this type of roof start slow and then quickly ramp up into a maintenance problem.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		98,000	137,000					\$235,000
City Funds	10,000	98,000	137,000					\$235,000
Matching Funds								\$0
Total	10,000	98,000	137,000	0	0	0	0	\$235,000

Furnace Control Rm Liebert Unit - GAC**Dept. Priority:** 64**Description:** This project would provide funding to replace the existing Liebert unit in the Furnace Control Room at the Granulated Activated Carbon Building (GAC).**Purpose:** The purpose of this project is to replace the existing Liebert unit in the Furnace Control Room at the Granulated Activated Carbon Building. The Liebert unit provides the climate control which houses the furnace monitoring equipment. The existing unit has been in service since 1992 and has been experiencing an increasing number of problems throughout the years.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		26,500						\$26,500
City Funds		26,500						\$26,500
Matching Funds								\$0
Total	0	26,500	0	0	0	0	0	\$26,500

Lamella Algaecide Feed System Storage**Dept. Priority:** 65**Description:** This project would provide funding to install a permanent algaecide storage facility at the Lamella Facility.**Purpose:** The purpose of this project is to install a permanent algaecide storage facility at the Lamella Facility. Currently, there is no permanent algaecide storage at this location. Operations personnel move around fifty-five (55) gallon drums of chemical when feeding this chemical.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		1,000						\$1,000
Construction		24,000						\$24,000
City Funds		25,000						\$25,000
Matching Funds								\$0
Total	0	25,000	0	0	0	0	0	\$25,000

Main Street and US 42 - Mason Montgomery**Dept. Priority:** 66**Description:** This project would provide funding for the replacement of the Main Street and US 42 - Mason Montgomery water main. This project would replace the existing 6 inch water main with a 12 inch main in conjunction with a street improvement.**Purpose:** The purpose of this project is to install a new water main for adequate service. The City of Mason is performing a significant street improvement to their downtown corridor. The current 6 inch main is too small for a downtown district and cannot supply flows that meet current requirements.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		400,000						\$400,000
City Funds		400,000						\$400,000
Matching Funds								\$0
Total	0	400,000	0	0	0	0	0	\$400,000

Montgomery/Cooper-Pfeiffer**Dept. Priority:** 67**Description:** This project would provide funding for a 42 inch transmission water main discharging from Kennedy Station northward to the Brecon service area and northeast Hamilton County.**Purpose:** The purpose of this project is to improve the transmission of water to the Brecon service area and contractual areas of Warren County and the City of Mason.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		186,000						\$186,000
Construction			2,015,000	2,000,000	200,000			\$4,215,000
City Funds		186,000	2,015,000	2,000,000	200,000			\$4,401,000
Matching Funds								\$0
Total	0	186,000	2,015,000	2,000,000	200,000	0	0	\$4,401,000

Chlorinator Equipment - Bolton Plant**Dept. Priority:** 68**Description:** This project would provide funding to upgrade the chlorinator system at the Charles M. Bolton Plant.**Purpose:** The purpose of this project is to upgrade the chlorinator system at the Charles M. Bolton Plant. This will include the replacement of varastat equipment and other similar equipment that is part of the original system which has started to require additional maintenance. The existing equipment was installed in 1992 and 1993.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		20,000						\$20,000
City Funds		20,000						\$20,000
Matching Funds								\$0
Total	0	20,000	0	0	0	0	0	\$20,000

Chemical Feed Tubing Pump - Constance**Dept. Priority:** 69**Description:** This project would provide funding to purchase and install two new tubing pumps (chemical feed pumps) at the Constance Pump Station.**Purpose:** The purpose of this project is to replace existing hypochlorite pumps at the Constance Pump Station due to an increase in the number of mechanical problems. These problems are due to bleach which is being used for water treatment. The existing pumps were not intended for bleach feeding. The new tubing pumps are made for feeding this product and will ensure reliable and accurate chlorine feed for Northern Kentucky.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		1,000						\$1,000
Equipment		13,500						\$13,500
City Funds		14,500						\$14,500
Matching Funds								\$0
Total	0	14,500	0	0	0	0	0	\$14,500

Misc. Concrete Pavement Replacement**Dept. Priority:** 75**Description:** This project would provide funding to replace worn and deteriorated concrete pavement at various Water Works' facilities.**Purpose:** The purpose of this project is to extend the useful life of pavement at various Water Works' facilities.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		150,000	150,000	150,000	150,000	150,000	150,000	\$900,000
City Funds		150,000	150,000	150,000	150,000	150,000	150,000	\$900,000
Matching Funds								\$0
Total	0	150,000	150,000	150,000	150,000	150,000	150,000	\$900,000

Recycle Stream Modification**Dept. Priority:** 81**Description:** This project would provide funding for recycle stream modification which would improve water quality and hydraulic fluctuations. By minimizing hydraulic surges and providing uniform flow, the loading of the successive unit processes would be uniform. This is expected to prevent uneven microbial and other chemical loading such as airgas and organics. The physical location would be at or near the existing wastewater recovery basin.**Purpose:** The purpose of this project is for recycle stream modification. The Filter Backwash Recycle Regulation (FBRR) requires complying with the rule from hydraulic and water quality perspectives. Preventing hydraulic surges would assure compliance with Ohio Environmental Protection Agency (OEPA) approved plant hydraulic capacity at the Richard Miller Treatment Plant.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		39,000						\$39,000
City Funds		39,000						\$39,000
Matching Funds								\$0
Total	0	39,000	0	0	0	0	0	\$39,000

Coag Basin Sludge Pumps - Miller Plant**Dept. Priority:** 82**Description:** This project would provide funding to replace the four coagulation (Coag) sludge pumps at the Richard Miller Treatment Plant.**Purpose:** The purpose of this project is to replace four coagulation sludge pumps at the Richard Miller Treatment Plant. These pumps pump sand, gravel, mud, etc. and have been in service for almost 40 years. These pumps are requiring more and more repair. The pumps will be replaced over a two-year period.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		6,000						\$6,000
Equipment			41,000					\$41,000
City Funds		6,000	41,000					\$47,000
Matching Funds								\$0
Total	0	6,000	41,000	0	0	0	0	\$47,000

Wash Water Recovery Pumps**Dept. Priority:** 83**Description:** This project would provide funding to upgrade wash water recovery pumps.**Purpose:** The purpose of this project is to upgrade wash water recovery pumps. The pumps were originally installed in 1976. The pumps, with thirty plus years of pumping gritty material such as sand, filter dirt, and carbon fines, now require major work to be completed, including new pump impellers, seals, bearings, shafting materials, etc.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering		2,000						\$2,000
Equipment			48,000					\$48,000
City Funds		2,000	48,000					\$50,000
Matching Funds								\$0
Total	0	2,000	48,000	0	0	0	0	\$50,000

Continuous WQ Monitors - Dist. System**Dept. Priority:** 91**Description:** This project would provide funding for the purchase and installation of water quality monitors at strategic locations in the distribution system.**Purpose:** The purpose of this project is to install water quality monitors at strategic locations in the water distribution system. These monitors assist with the compliance of regulations and detection of contaminated drinking water.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment		22,000	24,000	27,000				\$73,000
City Funds		22,000	24,000	27,000				\$73,000
Matching Funds								\$0
Total	0	22,000	24,000	27,000	0	0	0	\$73,000

Misc. Masonry**Dept. Priority:** 140**Description:** This project would provide funding for masonry repairs at various Water Works facilities.**Purpose:** The purpose of this project is to extend the useful life of various Water Works facilities by making appropriate masonry repairs.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction		75,000	75,000	75,000	75,000	75,000	75,000	\$450,000
City Funds		75,000	75,000	75,000	75,000	75,000	75,000	\$450,000
Matching Funds								\$0
Total	0	75,000	75,000	75,000	75,000	75,000	75,000	\$450,000

Enterprise Asset Management System**Dept. Priority:** 30**Description:** This project would provide funding for the replacement of Water Work's Enterprise Asset Management System (EMPAC) with a new version or another software package.**Purpose:** The new EMPAC system will be web-based and utilize mainstream technology. All system integrations, reports, and Key Performance Indicators (KPI's) will have to be developed. Water Works is currently running EMPAC release V8.5.2.5, Version 8.6.5 was released in 2005, and the final EMPAC release V8.6.7 is scheduled for December 2006. INDUS, the software provider, has converged their Enterprise Asset Management (EAM) solutions into Indus Asset Suite and there will be no subsequent EMPAC releases after December 2006. INDUS will provide maintenance and support services for EMPAC through 2007.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment			2,400,000	2,450,000				\$4,850,000
City Funds			2,400,000	2,450,000				\$4,850,000
Matching Funds								\$0
Total	0	0	2,400,000	2,450,000	0	0	0	\$4,850,000

Backup Power Generator - Eden Park**Dept. Priority:** 48**Description:** This project would provide funding for the installation of a backup generator and switchgear for the Eden Park Pump Station.**Purpose:** The purpose of this project is to install an onsite backup generator system, which will improve system reliability and service to Water Works' customers by providing a backup power source to this pump station. This pump station could be used in a power outage.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			185,000					\$185,000
Construction			315,000	1,400,000	300,000			\$2,015,000
City Funds			500,000	1,400,000	300,000			\$2,200,000
Matching Funds								\$0
Total	0	0	500,000	1,400,000	300,000	0	0	\$2,200,000

Call Center Equipment**Dept. Priority:** 70**Description:** This project would provide funding for the upgrade of the Greater Cincinnati Water Works Call Center for natural voice technology and would be fully interactive through the Internet.**Purpose:** The purpose of this project is to meet customer expectations for Call Center services 24 hours a day, seven days a week, without the need to staff outside the Water Works' current business hours.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment			500,000	2,000,000				\$2,500,000
City Funds			500,000	2,000,000				\$2,500,000
Matching Funds								\$0
Total	0	0	500,000	2,000,000	0	0	0	\$2,500,000

Radio System for GCWW

Dept. Priority: 73

Description: This project would provide funding to upgrade the Radio Communication System for the Greater Cincinnati Water Works.

Purpose: The purpose of this project is to replace the existing outdated vehicle radio system with a new communication system for day-to-day operations, and in case of an emergency. The existing City of Cincinnati 45MhZ radio system is obsolete and will no longer be supported by Telecommunications Division in the coming years.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment			400,000	400,000				\$800,000
City Funds			400,000	400,000				\$800,000
Matching Funds								\$0
Total	0	0	400,000	400,000	0	0	0	\$800,000

Distribution System Monitoring Equipment

Dept. Priority: 74

Description: This project would provide funding for additional water quality monitoring and pressure monitors.

Purpose: The purpose of this project is to provide additional water quality monitoring and pressure monitors. Additional monitoring for operational groups that require data, and the functional needs that this monitoring will fulfill are: Engineering - pressure monitoring points for all pipes water model; Water Quality monitoring - distribution system monitoring; Water Quality monitoring - well head monitoring; and Distribution - pressure regulator monitoring. This water distribution system data is not currently gathered by the Supervisory Control and Data Acquisition (SCADA) System.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			125,000	250,000	250,000	250,000	250,000	\$1,125,000
Equipment			125,000					\$125,000
City Funds			250,000	250,000	250,000	250,000	250,000	\$1,250,000
Matching Funds								\$0
Total	0	0	250,000	250,000	250,000	250,000	250,000	\$1,250,000

Future Water Treatment Plant Land

Dept. Priority: 76

Description: This project would provide funding to begin the evaluation process to determine a suitable location for future water treatment plants.

Purpose: The purpose of this project is to begin the evaluation process to determine a suitable location for future waste treatment plants. This project follows the new Distribution System Master Plan, which will provide water demands and distribution system improvements up to 2030. If the plan shows additional treatment plants will be required to meet future demands, Greater Cincinnati Water Works will have to purchase additional land. This is the first step to evaluate the suitability of various potential sites in order to select one or more sites for a potential future water plant.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Land			150,000	250,000	100,000			\$500,000
City Funds			150,000	250,000	100,000			\$500,000
Matching Funds								\$0
Total	0	0	150,000	250,000	100,000	0	0	\$500,000

ECAM Hardware

Dept. Priority: 77

Description: This project would provide funding for the replacement of obsolete hardware used for the Electronic Customer Account Management (ECAM) application.

Purpose: The purpose of this project is to replace obsolete hardware used for the Electronic Customer Account Management application. Replacement hardware will keep maintenance and support available and will allow Greater Cincinnati Water Works to stay current with new operating system software versions to maintain/expand ECAM offerings, which are driven by customer demand.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment			500,000	50,000		550,000		\$1,100,000
City Funds			500,000	50,000		550,000		\$1,100,000
Matching Funds								\$0
Total	0	0	500,000	50,000	0	550,000	0	\$1,100,000

Mobile Computing/Service Suite

Dept. Priority: 80

Description: This project would provide funding to assist Greater Cincinnati Water Works in the implementation of a Mobile Computing solution, including the procurement of hardware, design, development, testing of software, tool control implementation, reliability centered maintenance, bill of materials, and a planning and scheduling management tool.

Purpose: The purpose of this project is to provide additional functionality that improves the efficiency of the organization.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment			500,000					\$500,000
Other				1,100,000	1,350,000			\$2,450,000
City Funds			500,000	1,100,000	1,350,000			\$2,950,000
Matching Funds								\$0
Total	0	0	500,000	1,100,000	1,350,000	0	0	\$2,950,000

Crane Equipment Improvements

Dept. Priority: 93

Description: This project would provide funding for safety upgrades and improvements to various cranes at mission critical facilities.

Purpose: The purpose of this project is to perform safety upgrades and improvements to various cranes at mission critical facilities. These cranes were installed between 1940 and 1978. Upgrades include replacement of open collector wiring, control wiring, and other safety upgrades. The following is the schedule of the upgrades and improvements: 2008 - River Station \$100,000; 2009 - Ohio River Plant \$100,000; 2010 - Western Hills \$100,000; and 2011 - Mt. Washington Pumping Station \$50,000.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment			100,000	100,000	100,000	50,000		\$350,000
City Funds			100,000	100,000	100,000	50,000		\$350,000
Matching Funds								\$0
Total	0	0	100,000	100,000	100,000	50,000	0	\$350,000

Chester Park Complex Chiller**Dept. Priority:** 95

Description: This project would provide funding to replace and upgrade a small reciprocating chiller to a larger reciprocating or centrifugal unit, including backup controls to provide for full redundancy should the large existing centrifugal unit drop off.

Purpose: The purpose of this project is to replace and upgrade a small reciprocating chiller to a larger reciprocating or centrifugal unit. Without the chiller improvements, the building located at the Chester Park Complex will not be cooled if the largest unit is down during a significant part of the summer months.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			9,500					\$9,500
Equipment			270,500					\$270,500
City Funds			280,000					\$280,000
Matching Funds								\$0
Total	0	0	280,000	0	0	0	0	\$280,000

Reading - Dana**Dept. Priority:** 97

Description: This project would provide funding for a thirty-six inch and a twelve inch water main upgrade to improve water supply to the Clifton hospital area and northern customers.

Purpose: The purpose of this project is to improve water supply to the Clifton hospital area and northern customers. The transmission and distribution upgrade is at a critical juncture in the system whereby water is supplied to the west and north. Improved hydraulics and water quality are necessitated due to older high maintenance lines. Higher fire flows and general supply needs are more critical in this area due to high use customers and Xavier University.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			350,000					\$350,000
Construction				2,000,000	2,350,000			\$4,350,000
City Funds			350,000	2,000,000	2,350,000			\$4,700,000
Matching Funds								\$0
Total	0	0	350,000	2,000,000	2,350,000	0	0	\$4,700,000

Filter Surface Wash Pump - Miller Plant**Dept. Priority:** 114

Description: This project would provide funding to replace and upgrade the Richard Miller Treatment Plant (RMTP) pump and associated valves.

Purpose: The purpose of this project is to replace and upgrade the 1996 filter surface wash pump. This will ensure reliable operation of the filter surface wash system that was recently installed on all 47 filters at the Richard Miller Treatment Plant.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			1,000					\$1,000
Equipment			51,000					\$51,000
City Funds			52,000					\$52,000
Matching Funds								\$0
Total	0	0	52,000	0	0	0	0	\$52,000

PeopleSoft Upgrade

Dept. Priority: 118

Description: This project would provide funding for an upgrade of the PeopleSoft application.

Purpose: The purpose of this project is to upgrade the PeopleSoft application to maintain vendor support which ends in May 2007 for the current version of PeopleSoft. PeopleSoft is an integral part of the work processes for the Water Works Department and upgrades are traditionally very complex and require significant professional services.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment			250,000				275,000	\$525,000
City Funds			250,000				275,000	\$525,000
Matching Funds								\$0
Total	0	0	250,000	0	0	0	275,000	\$525,000

Gas Chromatograph for THM Analysis

Dept. Priority: 123

Description: This project would provide funding to replace current ten year old Trihalomethane (THM) monitoring Gas Chromatograph (GC) with the most current and reliable version.

Purpose: The purpose of this project is to ensure regulatory compliance. The Gas Chromatograph is the piece of analytical equipment which identifies the Trihalomethane (THM) compounds in water. THMs are compounds formed when chlorine reacts with naturally occurring organic matter present in the water. THMs are considered to be disinfection by-product compounds which are a health concern and are regulated by current state and federal regulations. Frequent monitoring of these compounds from a variety of locations is required.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment			98,100					\$98,100
City Funds			98,100					\$98,100
Matching Funds								\$0
Total	0	0	98,100	0	0	0	0	\$98,100

Gas Chromatograph

Dept. Priority: 124

Description: This project would provide funding for the replacement of existing gas chromatograph for haloacetic acid, herbicide, and pesticide analyses.

Purpose: The purpose of this project is to replace the existing gas chromatograph that is more than ten years old, so that Water Works can maintain certification and comply with regulations for haloacetic acids and regulated herbicides and other pesticides.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment			50,000					\$50,000
City Funds			50,000					\$50,000
Matching Funds								\$0
Total	0	0	50,000	0	0	0	0	\$50,000

Lime Feeders - Bolton Plant**Dept. Priority:** 125**Description:** This project would provide funding to upgrade lime slaker and feeder equipment #2 and #3 at the Charles M. Bolton Plant (CMBP).**Purpose:** The purpose of this project is to upgrade two of the four lime machines at the Charles M. Bolton Plant. The equipment is the oldest of the four lime machines and needs to be replaced and upgraded in order to maintain reliability. The Charles M. Bolton Plant is the lone soda softening plant and needs to make sure the lime feed equipment is fully functional with reliable backup.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			6,000					\$6,000
Equipment			494,000					\$494,000
City Funds			500,000					\$500,000
Matching Funds								\$0
Total	0	0	500,000	0	0	0	0	\$500,000

Secondary Basin Drive - Bolton Plant**Dept. Priority:** 126**Description:** This project would provide funding to upgrade the existing secondary basin drives at the Charles M. Bolton Plant (CMBP).**Purpose:** The purpose of this project is to upgrade the existing secondary basin drives at the Charles M. Bolton Plant. The primary basin drives were replaced in 2005. The secondary basins were last upgraded approximately 15 years ago.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment			200,000	500,000	300,000			\$1,000,000
City Funds			200,000	500,000	300,000			\$1,000,000
Matching Funds								\$0
Total	0	0	200,000	500,000	300,000	0	0	\$1,000,000

SCADA Network Upgrade - Miller Plant**Dept. Priority:** 127**Description:** This project would provide funding for a new high speed communications network for the SCADA system installed at the Richard Miller Treatment Plant (RMTP).**Purpose:** The purpose of this project is to provide for a high-speed in-plant communications data highway, moving Water Works to modern network standards and communications platform. This project will eliminate the need for existing Communications Front Ends (CFEs) at plant facilities and allow for the plant CFEs to be redeployed to assist in remote site communications.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment			425,000					\$425,000
City Funds			425,000					\$425,000
Matching Funds								\$0
Total	0	0	425,000	0	0	0	0	\$425,000

Carbon Transfer Pump - Miller Plant

Dept. Priority: 131

Description: This project would provide funding for upgrading the recessed impeller carbon transfer pumps at the Granulated Activated Carbon (GAC) building.

Purpose: The purpose of this project is to upgrade the 15+ year old carbon transfer pumps (two each year) that are showing wear in the pumping of abrasive carbon material. These carbon transfer pumps are starting to require more maintenance each year. These pumps are required to move carbon throughout the GAC processes. Without them, the regeneration processes would cease.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment			2,000	48,000	2,000	48,000	2,000	\$102,000
City Funds			2,000	48,000	2,000	48,000	2,000	\$102,000
Matching Funds								\$0
Total	0	0	2,000	48,000	2,000	48,000	2,000	\$102,000

Caustic Feed System - Miller Plant

Dept. Priority: 141

Description: This project would provide funding to upgrade the caustic feed system at the Richard Miller Treatment Plant (RMTP).

Purpose: The purpose of this project is to upgrade the caustic feed system at the Richard Miller Treatment Plant. Chemicals are extremely harsh and are hard on the caustic feed system. The equipment is beginning to experience more and more failures.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment			78,000					\$78,000
City Funds			78,000					\$78,000
Matching Funds								\$0
Total	0	0	78,000	0	0	0	0	\$78,000

Castle and Reading

Dept. Priority: 142

Description: This project would provide funding for 16 inch and 12 inch water mains on Reading Road and Castle Drive.

Purpose: The purpose of this project is to bring additional water supply to the commercial area of the south zone of Mason.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			100,000					\$100,000
Construction				1,200,000				\$1,200,000
City Funds			100,000	1,200,000				\$1,300,000
Matching Funds								\$0
Total	0	0	100,000	1,200,000	0	0	0	\$1,300,000

Carbon Feed System - Chem West**Dept. Priority:** 147**Description:** This project would provide funding for a carbon feed system at the Chemical Building West.**Purpose:** The purpose of this project is to replace the carbon feed system at the Chemical Building West. The carbon feed system at the Chemical Building West was originally installed in 1966. The existing carbon feed system needs to be replaced with more modern equipment in order to feed carbon as a protection against chemical spills in the Ohio River.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			2,000					\$2,000
Equipment			48,000					\$48,000
City Funds			50,000					\$50,000
Matching Funds								\$0
Total	0	0	50,000	0	0	0	0	\$50,000

Raw Water Reservoir Brick Rehabilitation**Dept. Priority:** 148**Description:** This project would provide funding for the rehabilitation of the brick linings at the Lamella Facility's raw water reservoirs.**Purpose:** The purpose of this project is to rehabilitate the brick linings at the Lamella Facility's raw water reservoirs. The Lamella Facility's raw water reservoirs have brick linings that are over 100 years old. The bricks have been deteriorating, and a thorough inspection and replacement of the failed bricks is required to ensure these reservoirs remain structurally sound. This project will be phased over two years, with one reservoir being done each year.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other			400,000	350,000	50,000			\$800,000
City Funds			400,000	350,000	50,000			\$800,000
Matching Funds								\$0
Total	0	0	400,000	350,000	50,000	0	0	\$800,000

Well Pumps - Bolton Plant**Dept. Priority:** 151**Description:** This project would provide funding to replace two submersible well pumps per year at the Charles M. Bolton Plant.**Purpose:** The purpose of this project is to replace the original submersible well pumps installed in 1978 to ensure reliable pumpage from the well field. Two well pumps per year will be replaced/upgraded with more modern equipment over a five-year period.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment			81,500	80,000	80,000	80,000	80,000	\$401,500
City Funds			81,500	80,000	80,000	80,000	80,000	\$401,500
Matching Funds								\$0
Total	0	0	81,500	80,000	80,000	80,000	80,000	\$401,500

Remote Facilities Operations Monitoring

Dept. Priority: 153

Description: This project would provide funding for monitoring equipment to improve the operator interface panels of critical facilities to more closely match the computer interface at the California Control Center.

Purpose: The purpose of this project is to improve remote facilities operations monitoring which will add local operator interface panels at critical pump stations. This project will also upgrade the Human Machine Interface workstations at select water customer facilities.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment			15,000					\$15,000
City Funds			15,000					\$15,000
Matching Funds								\$0
Total	0	0	15,000	0	0	0	0	\$15,000

Replace Six Single-Ply Roofs

Dept. Priority: 176

Description: This project would provide funding to replace six single-ply roofs.

Purpose: The purpose of this project is to replace the roofs at Tennyson, Eden Park, Old River Station, Mt. Washington #2, Cornell, and the Main Station flood storage building. The roofs at these locations are coming to the end of their useful life and require replacement.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering			41,000		25,000			\$66,000
Construction				250,000	54,000			\$304,000
City Funds			41,000	250,000	79,000			\$370,000
Matching Funds								\$0
Total	0	0	41,000	250,000	79,000	0	0	\$370,000

Eden Park Feeder 2 - Parsons Martin

Dept. Priority: 22

Description: This project would provide funding for a fifty-four inch transmission water main from the Eden Park Reservoir.

Purpose: The purpose of this project is to provide additional supply and discharge from the Eden Park reservoir, with better turnover and a more stable supply of water during peak pumping operations. This critical supply will better support current and future water demands for Northern Kentucky, and provide a better supply to the Central and Western Hills service areas.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering				250,000	350,000			\$600,000
Construction					636,000	1,300,000	664,000	\$2,600,000
City Funds				250,000	986,000	1,300,000	664,000	\$3,200,000
Matching Funds								\$0
Total	0	0	0	250,000	986,000	1,300,000	664,000	\$3,200,000

Grandin - Madison to Edwards**Dept. Priority:** 78**Description:** This project would provide funding to install 5,300 feet of 42 inch water main in Grandin Avenue from Convent to Edwards Road.**Purpose:** The purpose of this project is to install a new water main for adequate service. The existing water system in this area cannot support additional development. Service area expansion projections require installation of new water mains for adequate service.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction				350,000	1,800,000	1,500,000		\$3,650,000
City Funds				350,000	1,800,000	1,500,000		\$3,650,000
Matching Funds								\$0
Total	0	0	0	350,000	1,800,000	1,500,000	0	\$3,650,000

Network Upgrade - Miller Treatment Plant**Dept. Priority:** 85**Description:** This project would provide funding for combining or converging voice, video, and data at the Richard Miller Treatment Plant.**Purpose:** The purpose of this project is to replace equipment to combine communication media. The Private Branch Exchange (PBX) system is rapidly becoming obsolete and giving way to a new suite of tools, Voice over IP (VoIP). Voice, video, and data have been managed on three different sets of technology infrastructure. By combining or converging these technologies, benefits can include a lower cost of network ownership by eliminating multiple sets of infrastructure and simplifying administration and maintenance duties performed by technical staff.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment				136,000				\$136,000
City Funds				136,000				\$136,000
Matching Funds								\$0
Total	0	0	0	136,000	0	0	0	\$136,000

Filter to Waste Cycle**Dept. Priority:** 86**Description:** This project would provide funding to change filter valving to allow filter-to-waste capabilities.**Purpose:** The purpose of this project is to change filter valving to allow filter-to-waste capabilities. Short periods of high turbidity can occur during a filter run, usually at the beginning. Capability of filter-to-waste would help prevent water from entering into the distribution system.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering				200,000				\$200,000
Construction					1,300,000			\$1,300,000
City Funds				200,000	1,300,000			\$1,500,000
Matching Funds								\$0
Total	0	0	0	200,000	1,300,000	0	0	\$1,500,000

Contamination Warning System**Dept. Priority:** 87

Description: This project would provide funding to install monitors at approximately 20 locations to utilize the contamination warning system (CWS) for the purpose of water quality and security at locations identified by the Water Sentinel Project. The U.S. EPA's Water Sentinel Project designs and implements the contamination warning system for the Water Works to protect its distribution system.

Purpose: The purpose of this project is to install monitors to utilize the contamination water system (CWS) for water quality and security. CWS will identify about 100 strategic points as on-line monitoring locations for the CWS in the distribution system and will install monitors at about 30-40 of the identified locations according to the federal fund.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment				200,000	200,000	200,000		\$600,000
City Funds				200,000	200,000	200,000		\$600,000
Matching Funds								\$0
Total	0	0	0	200,000	200,000	200,000	0	\$600,000

Filter Water Pump - Miller Plant**Dept. Priority:** 96

Description: This project would provide funding to replace two of the current filter water pumps with larger pumps to meet higher water demands and increase pumping capacity at the Richard Miller Treatment Plant.

Purpose: The purpose of this project is to replace two smaller filter water pumps with larger ones so increased amounts of water can be pumped to the Granular Activated Carbon (GAC) facility.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering				20,000				\$20,000
Equipment				130,000	850,000			\$980,000
City Funds				150,000	850,000			\$1,000,000
Matching Funds								\$0
Total	0	0	0	150,000	850,000	0	0	\$1,000,000

Wade - Central Parkway to Laurel**Dept. Priority:** 103

Description: This project would provide funding for a water main at Wade Street - from Central Parkway to Laurel Park. This would involve the construction of a 42 inch transmission water main from the existing 48 inch Central Parkway supply to the existing 42 inch in Laurel and Wade Streets supporting the Western Hills pump station.

Purpose: The purpose of this project is to provide a critical cross connection between the two major supplies for the Western Hills pump station. In the event of an outage, this cross feed provides crucial redundancy and the ability to supply this station as well as the loop line.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction				575,000	1,425,000			\$2,000,000
City Funds				575,000	1,425,000			\$2,000,000
Matching Funds								\$0
Total	0	0	0	575,000	1,425,000	0	0	\$2,000,000

Automatic Meter Reading Handheld Units**Dept. Priority:** 117**Description:** This project would provide funding for the acquisition of Automatic Meter Reading Handheld units.

Purpose: The purpose of this project is to replace handheld meter reading units which have met or exceeded their useful life. Handheld meter reading units were last purchased in 2003. Customer Service Representatives will need the hand held units, even after all meters are converted to radio read units, in order to respond to service calls and to complete final readings related to move ins/outs for billing purposes. These assets have a replacement schedule/useful life based on five or six years.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment				60,000				\$60,000
City Funds				60,000				\$60,000
Matching Funds								\$0
Total	0	0	0	60,000	0	0	0	\$60,000

Curator Upgrade**Dept. Priority:** 120**Description:** This project would provide funding for an upgrade of the Curator application to maintain vendor support.

Purpose: The purpose of this project is to upgrade the Curator application to maintain vendor support. Curator upgrades are complex due to the growing number of document libraries deployed. Water Works is currently running Curator FYI Enterprise V3.41 released in January 2003. Water Works has skipped over 2 previous major releases (V3.5 and V3.6). The most recent release V3.7 was released in December 2004. The upgrade is required to continue vendor support.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment				300,000				\$300,000
City Funds				300,000				\$300,000
Matching Funds								\$0
Total	0	0	0	300,000	0	0	0	\$300,000

Chem East Building Dehumidification**Dept. Priority:** 133**Description:** This project would provide funding for the dehumidification of the Chemical Building East at the Richard Miller Treatment Plant.

Purpose: The purpose of this project is for dehumidification of the Chem East Building which stores large quantities of dry chemicals (lime, iron permanganate, etc) that are sensitive to moisture. This moisture ruins the chemicals (harden) and they are no longer of use in the treatment process.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering				1,500				\$1,500
Equipment				210,500				\$210,500
City Funds				212,000				\$212,000
Matching Funds								\$0
Total	0	0	0	212,000	0	0	0	\$212,000

Potassium Permanganate Feed System**Dept. Priority:** 137**Description:** This project would provide funding for a potassium permanganate feed system at the Richard Miller Treatment Plant.**Purpose:** The purpose of this project is to replace the potassium permanganate feed system at the Richard Miller Treatment Plant. The existing system at the Richard Miller Treatment Plant was installed in 1993 and is used intermittently during raw water algae, and taste and order events. The feed equipment and controls are approaching the end of their useful life due to the corrosive environment the system operates in.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering				1,500				\$1,500
Equipment				150,500				\$150,500
City Funds				152,000				\$152,000
Matching Funds								\$0
Total	0	0	0	152,000	0	0	0	\$152,000

SCADA Remote Terminal Units**Dept. Priority:** 138**Description:** This project would provide funding for the replacement of 15 year old Supervisory Control and Data Acquisition (SCADA) Remote Terminal Units (RTUs) throughout the Richard Miller Treatment Plant.**Purpose:** The purpose of this project is to replace SCADA Remote Terminal Units throughout the Richard Miller Treatment Plant. The RTU's upgrade project is a controlled programmatic three year upgrading of older in-plant RTU's which are approaching the end of their useful life. The implementation of new RTU's will provide a more powerful RTU with the ability to better support enhanced automatic control efforts.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment				50,000	50,000	50,000		\$150,000
City Funds				50,000	50,000	50,000		\$150,000
Matching Funds								\$0
Total	0	0	0	50,000	50,000	50,000	0	\$150,000

Analytical Data System Equipment**Dept. Priority:** 145**Description:** This project would provide funding for the replacement of the data system needed to operate all of the organics lab equipment. This equipment is essential to ensure compliance with several Ohio EPA regulations including trihalomethane, haloacetic acid, and volatile organic compound regulations.**Purpose:** The purpose of this project is to replace the data system which would allow Water Works to operate the equipment needed to perform a variety of organic analyses.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment				39,000			43,000	\$82,000
City Funds				39,000			43,000	\$82,000
Matching Funds								\$0
Total	0	0	0	39,000	0	0	43,000	\$82,000

Cherry Grove Ground Reservoir Coating**Dept. Priority:** 146**Description:** This project would provide funding for coating the interior and exterior of the Cherry Grove ground reservoir.**Purpose:** The purpose of this project is to coat the interior and exterior of the ground reservoir to prevent failure and extend the life of the reservoir.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering				125,000				\$125,000
Other					445,000			\$445,000
City Funds				125,000	445,000			\$570,000
Matching Funds								\$0
Total	0	0	0	125,000	445,000	0	0	\$570,000

Furnace Air Compressor - Miller Plant**Dept. Priority:** 149**Description:** This project would provide funding for an upgrade to one of three screw type furnace air compressors.**Purpose:** The purpose of this project is to upgrade one of three screw type furnace air compressors. This equipment has traditionally required significant maintenance but is critically important during the furnace regeneration campaigns and needs to remain reliable. The existing compressors were installed during the late 1990s and operate 24 hours a day, 7 days a week.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering				6,000				\$6,000
Equipment					44,000			\$44,000
City Funds				6,000	44,000			\$50,000
Matching Funds								\$0
Total	0	0	0	6,000	44,000	0	0	\$50,000

Carbon Feed Equipment - Miller Plant**Dept. Priority:** 152**Description:** This project would provide funding to replace the carbon feed system at the Chemical Building East (CBE).**Purpose:** The purpose of this project is to replace the carbon feed system at the Chemical Building East. The carbon feed system at Chem East was installed in 1950 and upgrades made in 1979. The system is past its useful life and must be replaced in order to provide spill protection against spills that occur.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment				100,000				\$100,000
City Funds				100,000				\$100,000
Matching Funds								\$0
Total	0	0	0	100,000	0	0	0	\$100,000

Snider and Socialville Foster

Dept. Priority: 156

Description: This project would provide funding for a 12 inch water main extension in Snider and Socialville Foster.

Purpose: This purpose of this project is to provide a system loop elimination of two dead end water mains in the Mason distribution system. This main will bring discharge from the Irwin Simpson Pump Station to the Castle Drive industrial area, in addition to eliminating two areas with dead end flows.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering				50,000				\$50,000
Construction					650,000			\$650,000
City Funds				50,000	650,000			\$700,000
Matching Funds								\$0
Total	0	0	0	50,000	650,000	0	0	\$700,000

Cloverwood - Walnut - Fairway

Dept. Priority: 158

Description: This project would provide funding to install 6,250 linear feet of 12 inch water main in Cloverwood Drive, Walnut Lane, and Fairway Drive.

Purpose: This purpose of this project is to provide adequate water system flow to meet growth in the Mason area.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction				445,000	100,000			\$545,000
City Funds	255,000	0		445,000	100,000			\$545,000
Matching Funds								\$0
Total	255,000	0	0	445,000	100,000	0	0	\$545,000

Bolton Wellfield Expansion II

Dept. Priority: 159

Description: This project would provide funding to add wells to the wellfield at the Bolton Treatment Plant.

Purpose: The purpose of this project is to expand the amount of water taken from the well field to provide for a more redundant supply and to meet future demand.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering				20,000	300,000			\$320,000
Construction					300,000	2,180,000		\$2,480,000
City Funds				20,000	600,000	2,180,000		\$2,800,000
Matching Funds								\$0
Total	0	0	0	20,000	600,000	2,180,000	0	\$2,800,000

Remote Site Local/Automatic Controls**Dept. Priority:** 160

Description: This project would provide funding for remote site local/automatic controls. This project would allow the system operators to select and activate controls at selected sites, offloading routine tasks from the operators. Local automatic controls would offload routine tasks from operators, standardize system operations, and provide better system operations in the event of a communication outage.

Purpose: The purpose of this project is to provide remote site local/automatic controls. Water Works' remote sites are currently operated in a remote-manual mode. Any changes required at pump stations are initiated via operator intervention. This project will allow the system operators to select and activate controls at selected sites, offloading routine tasks from the operators. Local automatic controls will offload routine tasks from operators, standardize system operations and provide better system operations in the event of a communication outage.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment				62,000	62,000			\$124,000
City Funds				62,000	62,000			\$124,000
Matching Funds								\$0
Total	0	0	0	62,000	62,000	0	0	\$124,000

PID/Hall Detectors**Dept. Priority:** 164

Description: This project would provide funding for the replacement of two existing Photo Ionization detectors (PID)/Hall detectors.

Purpose: The purpose of this project is to replace two existing PID/Hall detectors so that Water Works can maintain certification, comply with regulations related to volatile organic compounds, and detect organic contamination of the water.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment				35,000				\$35,000
City Funds				35,000				\$35,000
Matching Funds								\$0
Total	0	0	0	35,000	0	0	0	\$35,000

Bethany Road and State Route 741**Dept. Priority:** 171

Description: This project would provide funding for a 16 inch water main in Bethany at SR 741 to supply growing commercial in the Mason north zone.

Purpose: The purpose of this project is to replace existing water mains to supply growing commercial in the Mason north zone. This main was developed as part of the City of Mason Master Plan. This project will strengthen the northern portion of the system in an area seeing significant growth with new residential and commercial developments. This existing water mains to be replaced include a portion of asbestos cement pipe.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering				100,000				\$100,000
Construction					1,500,000	100,000		\$1,600,000
City Funds				100,000	1,500,000	100,000		\$1,700,000
Matching Funds								\$0
Total	0	0	0	100,000	1,500,000	100,000	0	\$1,700,000

SCADA Communications Front End (CFE)**Dept. Priority:** 178**Description:** This project would provide funding to replace the existing SCADA Communication Front End (CFEs) hardware.**Purpose:** The purpose of this project is to replace existing SCADA Communication Front End hardware. Existing system CFEs are standard Bristol Remote Telemetry Units (RTU). The RTU used for the CFE supports a limited amount of protocols and has limited processing power. As CFE hardware ages, the replacements should be analyzed to determine if more current technology can be applied to allow monitoring of other types of RTU's which may be present in a system service area acquired by Water Works.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment				122,000				\$122,000
City Funds				122,000				\$122,000
Matching Funds								\$0
Total	0	0	0	122,000	0	0	0	\$122,000

Eden Park Mirror Pool Painting**Dept. Priority:** 182**Description:** This project would provide funding for painting the bottomscape of the Mirror Pool, following the designs created by the consultant (Millennium Group) in 1998. Weather conditions and cleaning have faded and chipped some of the color over the years.**Purpose:** The purpose of this project is for painting the bottomscape of the Mirror Pool in Eden Park. Painting and caulking provide a protective coating over the concrete pool which repents leakage into the storage reservoir below. The project will upgrade and help preserve the appearance of this public landmark, that was originally painted in 1998.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering				5,000				\$5,000
Other				85,000				\$85,000
City Funds				90,000				\$90,000
Matching Funds								\$0
Total	0	0	0	90,000	0	0	0	\$90,000

Miscellaneous Improvements**Dept. Priority:** 185**Description:** This project would provide funding for the replacement of pumping and treatment plant equipment that has failed.**Purpose:** The purpose of this project is to provide funding for the replacement of pumping and treatment plant equipment that has failed during the year, outside the normal budget process.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment				55,000	55,000	55,000	55,000	\$220,000
City Funds	55,000	0		55,000	55,000	55,000	55,000	\$220,000
Matching Funds								\$0
Total	55,000	0	0	55,000	55,000	55,000	55,000	\$220,000

Backup Power Generator - Constance**Dept. Priority:** 72**Description:** This project would provide funding to purchase and install a standby generator and switchgear.**Purpose:** The purpose of this project is for the installation of an onsite standby generator system. This standby generator system will ensure Water Works' system reliability and service to customers by providing a backup power source which could be used in case of a power outage.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering					85,000			\$85,000
Construction					215,000	870,000		\$1,085,000
City Funds					300,000	870,000		\$1,170,000
Matching Funds								\$0
Total	0	0	0	0	300,000	870,000	0	\$1,170,000

Madison/Ridge-Isabella to Duck Creek**Dept. Priority:** 79**Description:** This project would provide funding to install 4,700 feet of 48 inch water main in Madison Road from Isabella Avenue to Marburg Avenue and in Ridge Road from Ibsen Avenue to Duck Creek Road.**Purpose:** The purpose of this project is to install new water mains for adequate service. The existing water system in this area cannot support additional development. Service area expansion projections require installation of new water mains for adequate service.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction					330,000	1,800,000	1,800,000	\$3,930,000
City Funds					330,000	1,800,000	1,800,000	\$3,930,000
Matching Funds								\$0
Total	0	0	0	0	330,000	1,800,000	1,800,000	\$3,930,000

Network Upgrade - Chester Park Complex**Dept. Priority:** 84**Description:** This project would provide funding for combining or converging technologies of voice, video, and data at Chester Park Complex.**Purpose:** The purpose of this project is to replace equipment to combine communications media. The Private Branch Exchange (PBX) system is becoming obsolete and giving way to a new suit of tools, Voice over IP (VoIP). Voice, video, and data have been managed on three different sets of technology infrastructure. By combining or converging these technologies, benefits can include a lower cost of network ownership by eliminating multiple sets of infrastructure and simplifying administration and maintenance duties performed by the technical staff.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment					250,000			\$250,000
City Funds					250,000			\$250,000
Matching Funds								\$0
Total	0	0	0	0	250,000	0	0	\$250,000

Storage Area Network Equipment

Dept. Priority: 88

Description: This project would provide funding to replace two Storage Area Networks (SANs). One is located at Chester Park (installed in 2005) and the other is located at the Richard Miller Treatment Plant (RMTP) (installed in 2006).

Purpose: The purpose of this project is to replace two Storage Area Networks. These networks provide storage for Water Works' most critical enterprise applications such as BANNER and EMPAC. The risk of operating these enterprise applications without support is very high. Each SAN was purchased with five years prepaid maintenance and support (M & S). M & S is typically very expensive on this equipment after five years, estimated at about 40% of the annual cost of the new SAN. Payback is historically less than three years.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment					41,000	300,000	300,000	\$641,000
City Funds					41,000	300,000	300,000	\$641,000
Matching Funds								\$0
Total	0	0	0	0	41,000	300,000	300,000	\$641,000

Filter Aid Addition

Dept. Priority: 89

Description: This project would provide funding for the installation of storage tanks and feed equipment allowing for the addition of a filter aid.

Purpose: The purpose of this project is to enhance filter operations by conditioning the water before the filtration process.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering					75,000			\$75,000
Construction						925,000		\$925,000
City Funds					75,000	925,000		\$1,000,000
Matching Funds								\$0
Total	0	0	0	0	75,000	925,000	0	\$1,000,000

Paddock - Reading to Tennessee

Dept. Priority: 100

Description: This project would provide funding for a thirty inch transmission water main in the Eastern Hills area of Paddock Road - Reading Road to Tennessee Avenue.

Purpose: The purpose of this project is to provide strengthened water supply through the Eastern Hills area. This project will provide strengthened water supply for large customers, will reduce outages, and will improve water supply to Water Works' core and northern customers. The customers include medical centers and the City of Reading.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering					130,000			\$130,000
Construction						1,130,000	40,000	\$1,170,000
City Funds					130,000	1,130,000	40,000	\$1,300,000
Matching Funds								\$0
Total	0	0	0	0	130,000	1,130,000	40,000	\$1,300,000

Paddock - Tennessee to Towanda**Dept. Priority:** 104**Description:** This project would provide funding for a 30 inch transmission water main to strengthen the water supply through the Eastern Hills area.**Purpose:** The purpose of this project is to provide strengthened water supply through the Eastern Hills area for hospitals, and to the north including the TriCounty area and Butler County.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering					100,000			\$100,000
Construction						835,000	40,000	\$875,000
City Funds					100,000	835,000	40,000	\$975,000
Matching Funds								\$0
Total	0	0	0	0	100,000	835,000	40,000	\$975,000

Madison - Woodburn to Observatory**Dept. Priority:** 105**Description:** This project would provide funding for a 16 inch replacement water main required per the master plan to improve supply and pressures through the eastern portions of the City of Cincinnati.**Purpose:** The purpose of this project is to improve the water flow and capacity in an older portion of the City to provide better domestic and fire water supply for the eastern portion of the City of Cincinnati.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering					100,000			\$100,000
Construction						1,300,000	50,000	\$1,350,000
City Funds					100,000	1,300,000	50,000	\$1,450,000
Matching Funds								\$0
Total	0	0	0	0	100,000	1,300,000	50,000	\$1,450,000

Clifton - Woolper to Dixmyth**Dept. Priority:** 106**Description:** This project would provide funding for a 30 inch transmission water main replacement that serves the Clifton and Eastern Hills areas, including critical hospitals and the uptown area serving the Clifton Valve Station.**Purpose:** The purpose of this project is to replace a transmission water main that serves the Clifton and Eastern Hills areas. This main has had recent catastrophic maintenance events near critical customers, like hospitals. This main is vital to the system's transmission supply to the Eastern Hills storage and supports larger commercial water customers. This section of the main is the last remaining section of older transmission main along Clifton Avenue.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering					150,000			\$150,000
Construction						825,000	825,000	\$1,650,000
City Funds					150,000	825,000	825,000	\$1,800,000
Matching Funds								\$0
Total	0	0	0	0	150,000	825,000	825,000	\$1,800,000

Pete Rose Way/Eggleston-Broadway**Dept. Priority:** 107**Description:** This project would provide funding for the installation of a 48 inch transmission water main, completing the new 48 inch supply line across the Central Business District.**Purpose:** The purpose of this project is to complete the primary transmission water main to supply the Central service area including the Central Business District and the Northern Kentucky/Florence areas.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction						520,000	600,000	\$1,120,000
Equipment					200,000			\$200,000
City Funds					200,000	520,000	600,000	\$1,320,000
Matching Funds								\$0
Total	0	0	0	0	200,000	520,000	600,000	\$1,320,000

Montgomery-Galbraith to Cooper**Dept. Priority:** 108**Description:** This project would provide funding to install 8,900 feet of 42 inch water main in Montgomery Road from Galbraith Road to Cooper Road.**Purpose:** The purpose of this project is to install a new water main for adequate service. The existing water system in this area cannot support additional development. Service area expansion projections require installation of new water mains for adequate service.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction					300,000	1,500,000	475,000	\$2,275,000
City Funds					300,000	1,500,000	475,000	\$2,275,000
Matching Funds								\$0
Total	0	0	0	0	300,000	1,500,000	475,000	\$2,275,000

Madison - Ridge to Whetsel**Dept. Priority:** 109**Description:** This project would provide funding to install 8,300 feet of 20 inch water main in Madison Road from Ridge Road to Whetsel Avenue.**Purpose:** The purpose of this project is to install a new water main for adequate service. The existing water system in this area cannot support additional development. Service area expansion projections require installation of new water mains for adequate service.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering					630,000			\$630,000
Construction						1,000,000		\$1,000,000
City Funds					630,000	1,000,000		\$1,630,000
Matching Funds								\$0
Total	0	0	0	0	630,000	1,000,000	0	\$1,630,000

GCMS With Autosampler**Dept. Priority:** 121**Description:** This project would provide funding for the replacement of the existing gas chromatograph mass spectrometer for advanced analyses.**Purpose:** The purpose of this project is to replace the existing gas chromatograph mass spectrometer that is more than ten years old, so that Water Works can continue to monitor exotic organic compounds including many that are regulated by the Ohio EPA.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment					104,000			\$104,000
City Funds					104,000			\$104,000
Matching Funds								\$0
Total	0	0	0	0	104,000	0	0	\$104,000

Endocrine Disruptor Analysis Equipment**Dept. Priority:** 122**Description:** This project would provide funding for the purchase and setup of equipment to monitor for endocrine disrupting chemicals.**Purpose:** The purpose of this project is to purchase equipment that will allow Greater Cincinnati Water Works to monitor for specific classes of compounds which may interfere with human hormones.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment					250,000			\$250,000
City Funds					250,000			\$250,000
Matching Funds								\$0
Total	0	0	0	0	250,000	0	0	\$250,000

Maintenance Shop Construction**Dept. Priority:** 132**Description:** This project would provide funding for the design and construction of a maintenance shop at the Richard Miller Treatment Plant.**Purpose:** The purpose of this project is to consolidate maintenance shops located at several current locations at the Richard Miller Treatment Plant. This will allow consolidation of several maintenance shops which will help reduce equipment requirements.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction					200,000	800,000	1,500,000	\$2,500,000
City Funds	108,000	0			200,000	800,000	1,500,000	\$2,500,000
Matching Funds								\$0
Total	108,000	0	0	0	200,000	800,000	1,500,000	\$2,500,000

California Control HVAC System

Dept. Priority: 139

Description: This project would provide funding to upgrade the existing Heating, Ventilating, and Air Conditioning (HVAC) system of the California Control Center at the Richard Miller Treatment Plant.

Purpose: The purpose of this project is to upgrade the existing HVAC of the California Control Center at the Richard Miller Treatment Plant. The existing Liebert units were installed in 1992 and will be eighteen years old. These units are extremely critical in maintaining the proper environment in this area to maintain all of the SCADA equipment in proper working condition.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering					1,000			\$1,000
Equipment					79,000			\$79,000
City Funds					80,000			\$80,000
Matching Funds								\$0
Total	0	0	0	0	80,000	0	0	\$80,000

Advanced Micro Monitor

Dept. Priority: 144

Description: This project would provide funding for the purchase and setup of equipment to monitor for microbial contaminants.

Purpose: The purpose of this project is to purchase equipment that will allow Greater Cincinnati Water Works to ensure that water is free from disease-causing microbes of both natural and terrorist origin.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment					100,000			\$100,000
City Funds					100,000			\$100,000
Matching Funds								\$0
Total	0	0	0	0	100,000	0	0	\$100,000

Cherry Grove Elevated Tank Coating

Dept. Priority: 150

Description: This project would provide funding to coat the interior of the Cherry Grove elevated tank.

Purpose: The purpose of this project is to prevent future failure and extend the useful life of the tank.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering					20,000			\$20,000
Other					130,000	175,000		\$305,000
City Funds					150,000	175,000		\$325,000
Matching Funds								\$0
Total	0	0	0	0	150,000	175,000	0	\$325,000

Snider - Western Row to US42

Dept. Priority: 157

Description: This project would provide funding for a 12 inch water main to complete the loop and supply water through the Mason south zone for commercial and residential development.

Purpose: The purpose of this project is to complete the loop and supply water through the Mason south zone for commercial and residential development. The Mason south zone is fully responsible to supply water to the north zone, and this water main is one of the critical supply lines to support both the south and north zones. This main is being coordinated with a proposed street improvement tentatively scheduled at this time, but is subject to change.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering					50,000			\$50,000
Construction						600,000	50,000	\$650,000
City Funds					50,000	600,000	50,000	\$700,000
Matching Funds								\$0
Total	0	0	0	0	50,000	600,000	50,000	\$700,000

Continuous GC - FID Detector

Dept. Priority: 163

Description: This project would provide funding for the replacement of existing gas chromatograph for continuous analysis of the Ohio River water for organic contaminants.

Purpose: The purpose of this project is to replace the existing gas chromatograph that is more than ten years old, so that Water Works can continue to monitor the river for unknown organic contaminants.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment					75,000			\$75,000
City Funds					75,000			\$75,000
Matching Funds								\$0
Total	0	0	0	0	75,000	0	0	\$75,000

Dehumidification System - Miller Plant

Dept. Priority: 165

Description: This project would provide funding for an upgrade of the dehumidification system in the Filter Building at the Richard Miller Treatment Plant (RMTP). This system consists of two dehumidifiers.

Purpose: The purpose of this project is to upgrade the dehumidifiers in the Filter Building. The two dehumidifiers control the environment throughout the plant preventing piping corrosion, chemical caking, etc. The current systems were upgraded in 1990 and have a useful life of approximately twenty years.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment					300,000			\$300,000
City Funds					300,000			\$300,000
Matching Funds								\$0
Total	0	0	0	0	300,000	0	0	\$300,000

Quailwood Farm Tank Property**Dept. Priority:** 172**Description:** This project would provide funding for property acquisition for the proposed tank in the Mason north zone.

Purpose: The purpose of this project is to provide for property acquisition for a proposed storage tank in the Mason north zone. Additional storage will be required as demands increase per the Ohio EPA storage requirements. The property must be purchased before design of the tank can commence. It is advantageous to purchase the property prior to it being developed for another purpose. This portion of the Mason system is a high growth area, particularly for commercial development which will require more storage in the north zone.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Land					30,000	300,000		\$330,000
City Funds					30,000	300,000		\$330,000
Matching Funds								\$0
Total	0	0	0	0	30,000	300,000	0	\$330,000

Intercom Comm System - Bolton Plant**Dept. Priority:** 174**Description:** This project would provide funding to upgrade the existing intercom communication system at the Charles M. Bolton Plant.

Purpose: The purpose of this project is to upgrade the existing intercom communication system. The existing system is approximately thirty years old. It is outdated and in need of repairs. The availability of parts is a problem in completing the repairs.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering					1,000			\$1,000
Construction					24,000			\$24,000
City Funds					25,000			\$25,000
Matching Funds								\$0
Total	0	0	0	0	25,000	0	0	\$25,000

AutoCad GIS Database Integration**Dept. Priority:** 177**Description:** This project would provide funding for the on-going integration of the Auto Computer Aided Design (CAD) and the Geographic Information System (GIS).

Purpose: The purpose of this project is for the on-going integration of the CAD and the GIS. The continued integration of GIS/CAD is required by Engineering since these are the two predominant systems for creating and maintaining the infrastructure for Water Works. New integration methods storing both sets of spatial data in one Relational Data Base Management System (RDBMS) will reduce costs of creating/maintaining infrastructure.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other					50,000			\$50,000
City Funds					50,000			\$50,000
Matching Funds								\$0
Total	0	0	0	0	50,000	0	0	\$50,000

Intake Pier Access Bridge Painting**Dept. Priority:** 181**Description:** This project would provide funding to paint the intake pier access bridge and to complete other upgrades.**Purpose:** The purpose of this project is to paint the intake pier access bridge and to complete other upgrades. The intake pier access bridge was last painted in 1985 and will be due for repainting by 2010. Other work includes lighting, metal work, and other smaller upgrades.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other					200,000			\$200,000
City Funds					200,000			\$200,000
Matching Funds								\$0
Total	0	0	0	0	200,000	0	0	\$200,000

Records Storage**Dept. Priority:** 183**Description:** This project would provide funding for additional shelving for Room 52, the Engineering records storage area for System and Plant project files, plans, and archives.**Purpose:** The purpose of this project is to provide additional shelving for Engineering records storage. The current space in room 52 is very limited and prevents proper storage of new records. The room is nearing capacity and additional storage units are needed to fully utilize this room for Water Works' asset records. These records are the original asset records for the entire Water Works and need to be maintained in a proper, secure, and efficient environment. Many of the existing records in this room are over a hundred years old and require proper shelving and equipment to maintain such vital Water Works records.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment					25,000			\$25,000
City Funds					25,000			\$25,000
Matching Funds								\$0
Total	0	0	0	0	25,000	0	0	\$25,000

Mason Water Main Replacements**Dept. Priority:** 184**Description:** This project would provide funding to replace water mains in Mason, once they meet Water Works replacement criteria in future years.**Purpose:** Water Works has a top priority to reinvest in the water system at a rate of 1% replacement per year. This policy applies to Mason as well, once criteria is met whereby a water main needs to be replaced. In future years, projects will be identified on a case-by-case basis by Water Works Engineering Planning.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering					500,000		550,000	\$1,050,000
City Funds					500,000		550,000	\$1,050,000
Matching Funds								\$0
Total	0	0	0	0	500,000	0	550,000	\$1,050,000

Galbraith - Blue Ash to Montgomery

Dept. Priority: 98

Description: This project would provide funding for a 42 inch transmission water main to serve Brecon and the Warren/Mason areas to the north.

Purpose: The purpose of this project is to install a transmission water main for adequate service. This discharge transmission water main provides current and future water supply to the northeast service areas in Brecon and Warren County. The main supports our ability to continue to meet the contract obligations in place with Warren, Mason, and Western Water; while maintaining good service to existing customers in the Hamilton County Brecon area. This is the primary discharge line from Kennedy Station for these areas. This is one of a number of mains to support our current expansion program to date.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						250,000		\$250,000
Construction							1,500,000	\$1,500,000
City Funds						250,000	1,500,000	\$1,750,000
Matching Funds								\$0
Total	0	0	0	0	0	250,000	1,500,000	\$1,750,000

Sand Filter Valves - Miller Plant

Dept. Priority: 99

Description: This project would provide funding to upgrade the existing filter valves at the Richard Miller Treatment Plant (RMTP) Filter Building with new valves.

Purpose: The purpose of this project is to upgrade the existing filter valves at the Richard Miller Treatment Plant. The existing filter valves have been in service for over forty years and are showing signs of failure.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						1,000		\$1,000
Equipment						199,000	609,000	\$808,000
City Funds						200,000	609,000	\$809,000
Matching Funds								\$0
Total	0	0	0	0	0	200,000	609,000	\$809,000

McMillan and May Streets

Dept. Priority: 110

Description: This project would provide funding for a 48 inch transmission water main that upgrades water service to the Clifton/Uptown areas and the hospital/medical areas.

Purpose: The purpose of this project is to provide a transmission water main to upgrade water service to the Clifton/Uptown areas. This transmission upgrade is vital to the core water system and will be needed at this time to meet the growing needs of this portion of the City. It replaces a 36 inch water main which is approaching 75 to 100 years old. This main supports water supply to the hospital areas from Eden Park station, as well as a critical cross feed to the Clifton Valve Station and the Winton Reservoir.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						200,000		\$200,000
Construction							1,400,000	\$1,400,000
City Funds						200,000	1,400,000	\$1,600,000
Matching Funds								\$0
Total	0	0	0	0	0	200,000	1,400,000	\$1,600,000

Ferguson and Werk Roads**Dept. Priority:** 115

Description: This project would provide funding for the replacement of a 36 inch transmission water main and the upgrade of an existing 30 inch transmission water main to better supply water from the Queen City trunk main to Wardall Tank.

Purpose: The purpose of this project is to replace and upgrade transmission water mains to better supply water from the Queen City trunk main to Wardall Tank. The existing transmission water main has a high rate of leakage wasting water supply and causing higher than usual maintenance activity. This main is a critical feed to the Wardall Tank. The existing water main supplies an older area of the City and timely investment into this water supply is needed to offset maintenance costs and disruption to the neighborhoods.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						100,000		\$100,000
Construction							855,000	\$855,000
City Funds						100,000	855,000	\$955,000
Matching Funds								\$0
Total	0	0	0	0	0	100,000	855,000	\$955,000

Bar Coding/RFID**Dept. Priority:** 116

Description: This project would provide funding for a Bar Coding/Radio Frequency Identity Device (RFID) for real-time entry of storeroom transactions into Stores Inventory software.

Purpose: The purpose of this project is to purchase a Bar Coding/Radio Frequency Identity Device. The Bar Coding/RFID will result in real-time updating of stores inventory data, for better, more accurate inventory control and data available to both stores staff and internal customers. More accurate and timely data will allow for lower inventory levels of stock and aid stores staff in providing more timely service to internal customers.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Construction						285,000		\$285,000
City Funds						285,000		\$285,000
Matching Funds								\$0
Total	0	0	0	0	0	285,000	0	\$285,000

Compartmentalize Winton Rd Reservoir**Dept. Priority:** 128

Description: This project would provide funding for the construction of a dividing wall within Winton Road Reservoir to allow portions of the tank to be removed from service for maintenance or unexpected events.

Purpose: The purpose of this project is to construct a dividing wall within the Winton Road Reservoir to allow portions of the tank to be removed from service. In the relatively near future it will be an issue removing this tank from service even in the winter months. If the tank gets to the point that any removal is critical, it does not provide a reliable system as all facilities at one time or another will need maintenance or will experience a failure. This project will increase system reliability.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						240,000		\$240,000
Construction						120,000	635,000	\$755,000
City Funds						360,000	635,000	\$995,000
Matching Funds								\$0
Total	0	0	0	0	0	360,000	635,000	\$995,000

Variable Frequency Drive Technology

Dept. Priority: 130

Description: This project would provide funding for Variable Frequency Drive (VFD) technology upgrades at the Granular Activated Building (GAC).

Purpose: The purpose of this project is to upgrade Variable Frequency Drive technology at the Granular Activated Building. Technology improvements, spare parts availability, and manufacturer service decline are the reasons this equipment needs to be updated regularly. The project includes VFDs for the GAC Plant's water pumps, filter water pumps, furnace center shaft cooling fans, and furnace induced draft fans. The original furnace VFDs installed in 1993 were upgraded in 2001 and 2002.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						1,000		\$1,000
Equipment						309,000		\$309,000
City Funds						310,000		\$310,000
Matching Funds								\$0
Total	0	0	0	0	0	310,000	0	\$310,000

Brecon Tank Coating

Dept. Priority: 134

Description: This project would provide funding to coat the interior of the Brecon Tank.

Purpose: The purpose of this project is to prevent failure and to extend the useful life of the tank.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other						165,000	175,000	\$340,000
City Funds						165,000	175,000	\$340,000
Matching Funds								\$0
Total	0	0	0	0	0	165,000	175,000	\$340,000

Harrison/Wesselman-E River Rd

Dept. Priority: 135

Description: This project would provide funding for the installation of a 16 inch transmission water main, completing high pressure backup supply to the Crosby and Blue Jay service areas.

Purpose: The purpose of this project is to supply transmission water from Western Hills to the Crosby and Blue Jay service areas as a second or backup supply.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						50,000		\$50,000
Construction							450,000	\$450,000
City Funds						50,000	450,000	\$500,000
Matching Funds								\$0
Total	0	0	0	0	0	50,000	450,000	\$500,000

Innovation Way**Dept. Priority:** 161**Description:** This project would provide funding for a 16 inch water main discharge from the Socialville Foster Pump Station to supply the Mason south zone.**Purpose:** The purpose of this project will provide additional and redundant supply from the pump station to the City of Mason. As the City of Mason grows, this water main will need to be constructed to meet these future demands and provide supply flexibility for the water system. This project could be completed as part of another project and/or related development.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						30,000		\$30,000
Construction							300,000	\$300,000
City Funds						30,000	300,000	\$330,000
Matching Funds								\$0
Total	0	0	0	0	0	30,000	300,000	\$330,000

Total Organic Carbon Analyzer**Dept. Priority:** 162**Description:** This project would provide funding to replace the current Total Organic Carbon (TOC) analyzer.**Purpose:** The purpose of this project is to replace a Total Organic Carbon (TOC) analyzer. The TOC analyzer is a piece of analytical equipment which identifies total organic carbon in drinking water. Total organic carbon is regulated by current state and federal regulations which require frequent monitoring of Organic Carbon from a variety of locations. The current equipment is five years old and needs to be replaced with the most current and reliable version.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment						40,000		\$40,000
City Funds						40,000		\$40,000
Matching Funds								\$0
Total	0	0	0	0	0	40,000	0	\$40,000

Parkside and Cox Smith**Dept. Priority:** 175**Description:** This project would provide funding for a 12 inch water main to support water supply and flow in the vicinity of the Pine Hill Tank and SR 741 corridor.**Purpose:** The purpose of this project is to improve flow in the Mason north zone near the Pine Hill Tank. It will connect existing 12 inch mains to improve the transmission system along the SR 741/Kings Mill/US 42 corridor to effectively move water from the tank to the surrounding neighborhoods. It will also help improve fire flows within this older neighborhood that currently contains 4 inch and 6 inch mains.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						50,000		\$50,000
Construction						371,000		\$371,000
City Funds						421,000		\$421,000
Matching Funds								\$0
Total	0	0	0	0	0	421,000	0	\$421,000

Delhi Water Tank Painting**Dept. Priority:** 179**Description:** This project would provide funding to paint the exterior of the Delhi Tank.**Purpose:** The purpose of this project is to paint the exterior of the Delhi Tank. The exterior of the Delhi Tank was last painted in 1989. This project may include the removal of lead paint. Maintaining the exterior paint on the tank will extend the useful life of the tank.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Other						350,000		\$350,000
City Funds						350,000		\$350,000
Matching Funds								\$0
Total	0	0	0	0	0	350,000	0	\$350,000

Mt. Airy Exterior Renovation**Dept. Priority:** 180**Description:** This project would provide funding for the rehabilitation of the exterior of the Mt. Airy Tanks.**Purpose:** The purpose of this project is to prevent further deterioration of the tower superstructure. The tanks were originally built in 1926 and every freeze and thaw cycle causes a bit more deterioration within the concrete. The rehabilitation will include replacement of the top turrets of the structure, repair of brick masonry, and miscellaneous repairs to the room concrete masonry units. The turrets will be replaced with recast or fiberglass panels that maintain the current aesthetics of the structure.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering						300,000	40,000	\$340,000
Construction							2,960,000	\$2,960,000
City Funds						300,000	3,000,000	\$3,300,000
Matching Funds								\$0
Total	0	0	0	0	0	300,000	3,000,000	\$3,300,000

Backup Power Generator - Western Hills**Dept. Priority:** 71**Description:** This project would provide funding to purchase and install a standby generator, switchgear, transfer switch, and other ancillary equipment that may be used to power pumps and other critical items at the Western Hills Pump Station.**Purpose:** The purpose of this project is to provide an onsite standby generator system. This standby generator will ensure Water Works' system reliability and service to customers by providing a backup power source which could be used in case of a power outage. In addition, it is desirable to utilize this equipment as a means to offset increasing energy costs.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering							100,000	\$100,000
City Funds							100,000	\$100,000
Matching Funds								\$0
Total	0	0	0	0	0	0	100,000	\$100,000

Backup Control Center - Miller Plant**Dept. Priority:** 90**Description:** This project would provide funding for a backup control center that is physically separate from the Richard Miller Treatment Plant (RMTP) California Control Center.**Purpose:** The purpose of this project is to provide a backup control center that is physically separate from the California Control Center located at the Richard Miller Treatment Plant. This backup control center is needed to reduce Water Works' vulnerability in case the California Control Center is lost or unavailable for any reason (disaster recovery). The current Control Center at RMTP is the center of operations for both the water treatment facility and the water distribution system. In the event of a catastrophic event at RMTP, there is no other location to provide water distribution system operations. This project would investigate potential locations, make recommendations, and be followed by design and construction.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering							200,000	\$200,000
City Funds							200,000	\$200,000
Matching Funds								\$0
Total	0	0	0	0	0	0	200,000	\$200,000

Chemical Feed Equipment - Bolton Plant**Dept. Priority:** 92**Description:** This project would provide funding to replace iron and soda ash feeders at the Bolton Plant.**Purpose:** The purpose of this project is to replace iron and soda ash feeders at the Bolton Plant which are reaching the end of their useful lives.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering							50,000	\$50,000
Construction							75,000	\$75,000
Equipment							100,000	\$100,000
City Funds							225,000	\$225,000
Matching Funds								\$0
Total	0	0	0	0	0	0	225,000	\$225,000

Effluent Piping - Bolton Plant**Dept. Priority:** 94**Description:** This project would provide funding to increase effluent piping sizes at the Bolton Plant.**Purpose:** The purpose of this project is to supply additional water from the Bolton Plant by increasing the effluent piping sizes to accommodate growth in the area served by the Bolton Plant.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering							100,000	\$100,000
City Funds							100,000	\$100,000
Matching Funds								\$0
Total	0	0	0	0	0	0	100,000	\$100,000

Madison - Observatory to Isabella**Dept. Priority:** 101**Description:** This project would provide funding for a 16 inch replacement water main required per the Master Plan to improve water supply and pressures through the eastern portions of the City.**Purpose:** The purpose of this project is to improve flow and capacity in an older portion of the City to provide better domestic and fire water supply for eastern portions of the City of Cincinnati.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering							150,000	\$150,000
City Funds							150,000	\$150,000
Matching Funds								\$0
Total	0	0	0	0	0	0	150,000	\$150,000

Kennedy Heights Divider Wall**Dept. Priority:** 102**Description:** This project would provide funding to install a divider wall in the Kennedy Heights Reservoir.**Purpose:** The purpose of this project is to install a divider wall in the Kennedy Heights Reservoir. Construction of a dividing wall within the Kennedy Heights Reservoir will allow portions of the tank to be removed from service for maintenance or unexpected events reasons. In the relatively near future, it will be an issue removing this tank from service even in winter months. If the tank gets to the point that any removal is critical, it does not provide for a reliable system as all facilities at one time will need maintenance or will experience a failure. This project is to increase system reliability.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering							150,000	\$150,000
City Funds							150,000	\$150,000
Matching Funds								\$0
Total	0	0	0	0	0	0	150,000	\$150,000

Madison - Whetsel to Plainville**Dept. Priority:** 111**Description:** This project would provide funding for a proposed 16 inch replacement water main required per the master plan to improve water supply and pressure through eastern portions of the City.**Purpose:** This proposed dual service water main improves flow and capacity in an older portion of the City to provide better domestic and fire water supply for eastern portions of the City.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering							100,000	\$100,000
City Funds							100,000	\$100,000
Matching Funds								\$0
Total	0	0	0	0	0	0	100,000	\$100,000

Westwood-Harrison-Fillview-Hutchinson**Dept. Priority:** 112**Description:** This project would provide funding for a proposed 24 inch transmission water main loop to provide redundant supply to the Mack Tank along with existing Werk Road primary feed.**Purpose:** This new transmission main required per the master plan completes a vital transmission supply to the Mack Tank and to the growing area in our existing Western Hills service area. This water main provides the second feed for the Mack Tank allowing Western Hills pump station to better supply the area.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering							200,000	\$200,000
City Funds							200,000	\$200,000
Matching Funds								\$0
Total	0	0	0	0	0	0	200,000	\$200,000

McMillan and Woodburn**Dept. Priority:** 113**Description:** This project would provide funding for a proposed 42 inch transmission upgrade taking discharge from Main Station as well as Eden Park station.**Purpose:** This transmission upgrade is vital to the core water system and will be needed at this time to meet the growing needs of this portion of the City and system. This main supports water supply to the hospital areas from Eden Park station as well as Main Station. The existing water main is very old.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering							250,000	\$250,000
City Funds							250,000	\$250,000
Matching Funds								\$0
Total	0	0	0	0	0	0	250,000	\$250,000

Meter Interface Units (MIU)**Dept. Priority:** 119**Description:** This project would provide funding for the replacement of the Meter Interface Units (MIU's).**Purpose:** The purpose of this project is to replace Meter Interface Units based on a replacement schedule. MIU's provide the meter reading information for the new H2O radio read technology. This is a scheduled replacement for these units based on a useful life of ten years.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Equipment							1,000,000	\$1,000,000
City Funds							1,000,000	\$1,000,000
Matching Funds								\$0
Total	0	0	0	0	0	0	1,000,000	\$1,000,000

Chlorination Fac. Scrubber-Miller Plant

Dept. Priority: 129

Description: This project would provide funding to upgrade the Chlorination Facility Scrubber at the Richard Miller Treatment Plant. This is the safety system used to protect the employees and the public from chlorine leaks.

Purpose: The purpose of this project is to replace the Chlorination Facility Scrubber at the Richard Miller Treatment Plant with a 3-5 ton dry scrubber like the scrubber installed at the Charles M. Bolton Plant and the Chemical Building West. The existing system is a caustic soda scrubber installed in 1997 that requires significant maintenance, leaks are more dangerous to employees during the handling, and has caused deterioration of storage tanks, seals, pumps, and piping.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering							1,000	\$1,000
Equipment							404,000	\$404,000
City Funds							405,000	\$405,000
Matching Funds								\$0
Total	0	0	0	0	0	0	405,000	\$405,000

Mack Tank Interior Coating

Dept. Priority: 136

Description: This project would provide funding for coating the interior of the Mack Tank.

Purpose: The purpose of this project is to coat the interior of the Mack Tank to prevent failure and extend the life of the tank.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering							25,000	\$25,000
Other							280,000	\$280,000
City Funds							305,000	\$305,000
Matching Funds								\$0
Total	0	0	0	0	0	0	305,000	\$305,000

Glenway - Grand to Ferguson

Dept. Priority: 143

Description: This project would provide funding for a proposed 16 inch replacement water main upgrade as required per the master plan to improve arterial water supply through Price Hill and Westwood areas of the City.

Purpose: This water main upgrade will replace existing 10 and 16 inch mains to better supply water along this primary corridor of Western Hills within the City.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering							300,000	\$300,000
City Funds							300,000	\$300,000
Matching Funds								\$0
Total	0	0	0	0	0	0	300,000	\$300,000

Roller Gate Hydraulic Sys - Miller Plant**Dept. Priority:** 154**Description:** This project would provide funding for the upgrade of the roller gates at the Richard Miller Treatment Plant (RMTP).**Purpose:** The purpose of this project is to upgrade the hydraulic controls at the Richard Miller Treatment Plant to ensure the reliable operation of the roller gates. The roller gates at the RMTP were installed in 1993 and serve a critical function in the plant's operation if the Granulated Activated Carbon facility must be by-passed.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering							1,000	\$1,000
Equipment							74,000	\$74,000
City Funds							75,000	\$75,000
Matching Funds								\$0
Total	0	0	0	0	0	0	75,000	\$75,000

SR 741- Bunnell to Bethany**Dept. Priority:** 155**Description:** This project would provide funding for a proposed 12 or 16 inch water main in SR741 to improve flow in the northern service area of Mason.**Purpose:** This main will improve supply and pressures to a growing commercial and residential area in the northern portion of Mason. It will improve reliability in an area currently serviced by a 12" transite main per Mason records.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering							50,000	\$50,000
City Funds							50,000	\$50,000
Matching Funds								\$0
Total	0	0	0	0	0	0	50,000	\$50,000

Sodium Hexametaphosphate Feed Pumps**Dept. Priority:** 166**Description:** This project would provide funding to upgrade two sodium hexametaphosphate feed pumps and two transfer pumps at the Richard Miller Treatment Plant.**Purpose:** The purpose of this project is to upgrade sodium hexametaphosphate feed pumps and transfer pumps at the Richard Miller Treatment Plant. This equipment will have reached its useful life by 2012 and will need to be replaced with the newest technology. This equipment was last upgraded in 1999.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering							1,000	\$1,000
Equipment							39,000	\$39,000
City Funds							40,000	\$40,000
Matching Funds								\$0
Total	0	0	0	0	0	0	40,000	\$40,000

Cathodic Protection Sys - Bolton Plant**Dept. Priority:** 167**Description:** This project would provide funding to upgrade the cathodic protection system used to protect the basin equipment at the Charles M. Bolton Plant.**Purpose:** The purpose of this project is to upgrade the cathodic protection system at the Charles M. Bolton Plant. This system is used to protect the other basin equipment and deteriorates over time. Once it is completely used, it no longer provides protection to the more expensive equipment. This system was replaced in 1995 and was last improved in 2002-2003 with basin rehab.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering							1,000	\$1,000
Equipment							49,000	\$49,000
City Funds							50,000	\$50,000
Matching Funds								\$0
Total	0	0	0	0	0	0	50,000	\$50,000

Tapered Screw Conveyor - Miller Plant**Dept. Priority:** 168**Description:** This project would provide funding to upgrade the Chem East Building tapered spiral screw conveyor. This equipment moves chemicals from the storage hoppers into the slakers or chemical feeders. Upgrading the screw auger on the thirty-five plus year old equipment will extend its useful life and improve the cycle time needed to keep the chemical feeders equipment full.**Purpose:** The purpose of this project is to upgrade the tapered spiral screw conveyor at the Chem East Building. The useful life of the existing equipment will have been exceeded. This tapered spiral screw conveyor feeds other chemical feed systems which are of no use without this equipment. Upgrading the screw auger on the thirty-five plus year old equipment will extend its useful life and improve the cycle time needed to keep the chemical feeders equipment full.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering							1,000	\$1,000
Equipment							74,000	\$74,000
City Funds							75,000	\$75,000
Matching Funds								\$0
Total	0	0	0	0	0	0	75,000	\$75,000

Remote Terminal Units (RTUs) Equipment**Dept. Priority:** 169**Description:** This project would provide funding for the upgrade of Remote Terminal Units (RTUs).**Purpose:**

The purpose of this project is to upgrade Remote Terminal Units. Many of the existing outlying stations' RTUs are approaching 10-15 years in age and need to be upgraded to maintain their reliability. The RTU upgrade is part of the overall 10 year replacement plan for existing RTUs. The purpose of this program is to replace the older RTUs with new controllers. The remote sites include RTUs outside the Richard Miller Treatment Plant (RMTP), including most pump stations, and the Charles M. Bolton Plant (CMBP). The implementation of the new RTUs will provide more powerful RTUs, with the ability to better support enhanced automatic control efforts.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering							1,000	\$1,000
Equipment							49,000	\$49,000
City Funds							50,000	\$50,000
Matching Funds								\$0
Total	0	0	0	0	0	0	50,000	\$50,000

Bunnell Hill - SR741 to US42**Dept. Priority:** 170**Description:** This project would provide funding for a proposed 12 inch water main in Bunnell Hill to Mason Montgomery Milgrove.**Purpose:**

This main provides redundant and additional supply in the North Zone of Mason. It will primarily support anticipated growth in the north zone.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering							200,000	\$200,000
City Funds							200,000	\$200,000
Matching Funds								\$0
Total	0	0	0	0	0	0	200,000	\$200,000

Quailwood Farms Storage Tank - 1 MG**Dept. Priority:** 173**Description:** This project would provide funding for a proposed elevated tank for storage on the north zone of the City of Mason water system.**Purpose:**

The purpose of this project is to provide residential and fire water supply for the Mason north zone and emergency water supply in the region.

<u>Phases</u>	<u>Prior Year</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2007-2012 Total</u>
Engineering							100,000	\$100,000
City Funds							100,000	\$100,000
Matching Funds								\$0
Total	0	0	0	0	0	0	100,000	\$100,000

IMPACT OF THE CAPITAL INVESTMENT PROGRAM (CIP) ON THE OPERATING BUDGET

The City of Cincinnati's six-year Capital Investment Program (CIP) is comprised of projects designed to purchase or improve a City asset that costs more than \$10,000 and has a useful life of at least five years. Capital projects improve streets, bridges, police and fire stations, recreation and health facilities, parks, and the City's water and sewer systems. Capital projects also allow for environmental, housing, and neighborhood business district improvements, as well as the replacement of automotive and information technology equipment. Resources for the CIP derive primarily from the sale of General Obligation and Revenue bonds, City Income Tax receipts, Income Tax supported debt, lease payments, and reprogramming resources.

The Cincinnati City Council approves a biennial Operating Budget that is reviewed and updated during the second year of the biennium. For the Capital Budget, the City Council approves the six-year CIP that is also updated in the second year of the biennium along with the Operating Budget. Financing for the Operating Budget and the CIP is approved by the City Council one year at a time.

The CIP impacts the Operating Budget in three distinct ways: 1) the CIP may create new operating and maintenance costs or savings; 2) the CIP may create debt service in the Operating Budget for appropriated restricted funds and may generate Capital transfers from those funds; or 3) the CIP may increase or decrease reimbursements to the Operating Budget for personnel or other operating expenses. A description of each type of impact on the Operating Budget is provided on the following three pages.

1. CIP Operating and Maintenance Costs or Savings

Net operating and maintenance costs or savings associated with the Approved 2007-2012 CIP are related to personnel costs for the management of new programs or equipment, and non-personnel costs related to fixed and contractual expenses as well as the procurement of materials and supplies. The following table summarizes the anticipated operating and maintenance costs or savings associated with the 2007-2012 Approved CIP.

2007-2012 CIP: NET OPERATING AND MAINTENANCE COSTS OR SAVINGS (ESTIMATED)						
<i>Note: Positive figures indicate Operating Budget additional costs; negative figures indicate savings.</i>						
Capital Project/Operating Budget Impact	Estimated Impact on Operating Budget Per Year					
	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12
Meter Replacement Program	(\$355,000)	(\$736,000)	\$ -	\$ -	\$ -	\$ -
This project in the Greater Cincinnati Water Works Department will replace all water meters within the current service area (237,000+ meters) with a radio read device. The adoption of this technology allows the department to reduce personnel/nonpersonnel costs related to the old method, which requires a visual inspection of water meters. CIP project funding: \$6,500,000 (2007).						
LED Traffic/Pedestrian Signals	(\$31,000)	(\$31,000)	(\$31,000)	(\$31,000)	(\$31,000)	(\$31,000)
The Department of Transportation and Engineering is estimating an Operating Budget savings of \$310,000 over ten years from the implementation of the LED (liquid emitting diodes) Traffic and Pedestrian Signals project. This project will provide funding for the replacement of incandescent traffic and pedestrian signal lamps with energy efficient LED's. The estimated annual savings is \$31,000 per year. Among the annual savings, \$11,000 will come from a reduced wash/relamp contract, and \$20,000 will come from traffic signal energy savings in the Division of Traffic Engineering. CIP project funding: \$450,000 (2007-2012).						

In addition to the capital projects listed in the preceding table, the projects listed in the following table will impact the Operating Budget; however, an estimate of the impact is unable to be calculated at this time.

CAPITAL PROJECT	DEPARTMENT	DESCRIPTION OF OPERATING BUDGET IMPACT
City Facility Renovations	Public Services	The continued renovation and modernization of the City's buildings and equipment will help to reduce maintenance and utility costs, which ultimately results in lower Operating Budget expenses.
Facilities Renovation and Repairs	Health	
Fleet Replacements	Enterprise Services	In general, replacing automotive equipment to keep the fleet within lifecycle minimizes Operating Budget expenditures for fleet maintenance. The Fleet Replacements project is underfunded. Consequently, Operating Budget maintenance costs for the City's automotive fleet is expected to increase.

2. CIP Debt Service in the Operating Budget and Transfers to the Capital Budget

A major factor in the relationship between the CIP and the Operating Budget is the amount of debt service paid for capital initiatives by appropriated restricted funds in the Operating Budget, and transfers made by those funds to the Capital Budget. The overall health of restricted funds influences the fund's ability to support debt service as well as direct transfers to the Capital Budget. For example, resources within the Metropolitan Sewer District Fund are available to support the CIP only to the extent operating expenditures, anticipated revenue, and prior year carryover within that fund allow. The following table reflects the 2007/2008 debt service for the appropriated restricted funds in the Operating Budget, and the transfers to the Capital Budget for each fund.

Appropriated Restricted Funds: Debt Service and Transfers to Capital Budget						
Fund	FY 07			FY 08		
	Debt Service	Transfers	Total	Debt Service	Transfers	Total
Bond Retirement	\$84,400,000	N/A	\$84,400,000	\$50,500,000	N/A	\$50,500,000
Convention Center	N/A	\$170,000	\$170,000	N/A	\$230,000	\$230,000
General Aviation	\$60,800	\$485,000	\$545,800	\$60,800	\$505,000	\$565,800
Income Tax Transit	N/A	\$100,000	\$100,000	N/A	\$100,000	\$100,000
Metro. Sewer Dist.	\$62,340,480	\$4,379,000	\$66,719,480	\$72,340,480	\$3,881,000	\$76,221,480
Municipal Golf	\$325,480	N/A	\$325,480	\$285,000	N/A	\$285,000
Parking Facilities	N/A	\$250,000	\$250,000	N/A	\$700,000	\$700,000
Stormwater	\$758,200	\$1,405,000	\$2,163,200	N/A	\$331,000	\$331,000
Water Works	\$35,584,000	\$4,147,600	\$39,731,600	\$35,823,000	\$9,454,000	\$45,277,000
Total	\$183,468,960	\$10,936,600	\$194,405,560	\$159,009,280	\$15,201,000	\$174,210,280
* Note: Please refer to the Financial Summaries section of Volume 1 of the 2007/2008 Approved Biennial Budget for a complete description of the approved Restricted Funds listed above.						

3. CIP Reimbursements to the Operating Budget

The following table outlines the planned reimbursements from capital projects to departmental Operating Budgets in the Approved 2007/2008 Operating Budget. Reimbursements are primarily used for staff time devoted to the management and execution of capital projects.

CIP REIMBURSEMENTS TO THE 2007/2008 APPROVED OPERATING BUDGET		
Department	FY 07	FY 08*
Transportation & Engineering	\$4,541,260	\$4,632,085
Public Services	\$2,216,660	\$2,260,993
Recreation	\$542,050	\$552,891
Parks	\$456,010	\$465,130
Community Development	\$210,640	\$214,853
Law	\$149,710	\$152,704
City Manager	\$69,820	\$71,216
Fleet Services	\$16,370	\$16,697
TOTAL:	\$8,202,520	\$8,366,569
* Note: Reimbursements to the 2008 Approved Operating Budget reflect an inflationary increase of 2% over the 2007 reimbursement amount. Actual reimbursements for 2008 will be reviewed during the 2008 budget process.		